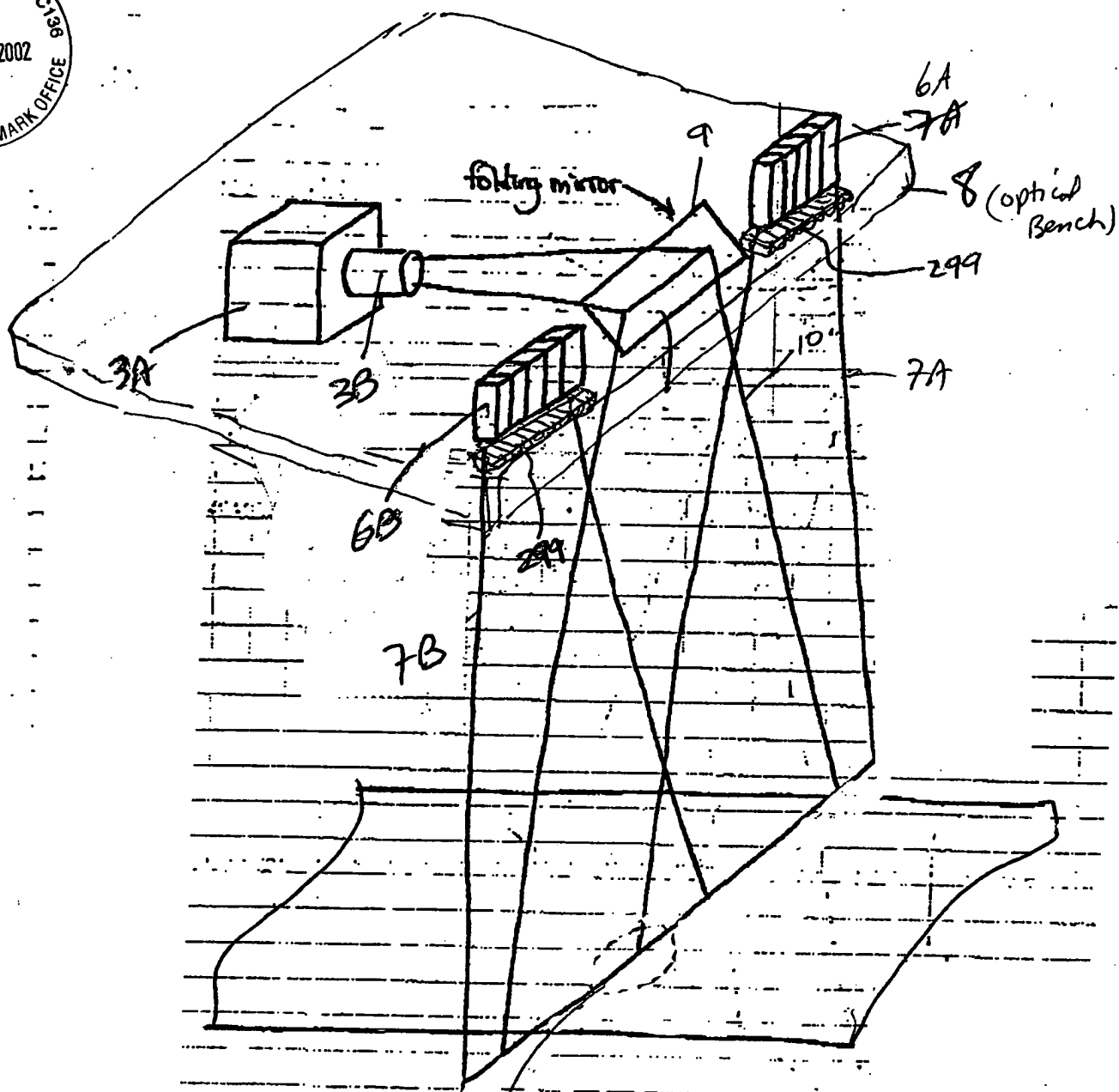




2/332



↑
1A

FIG. 1B1

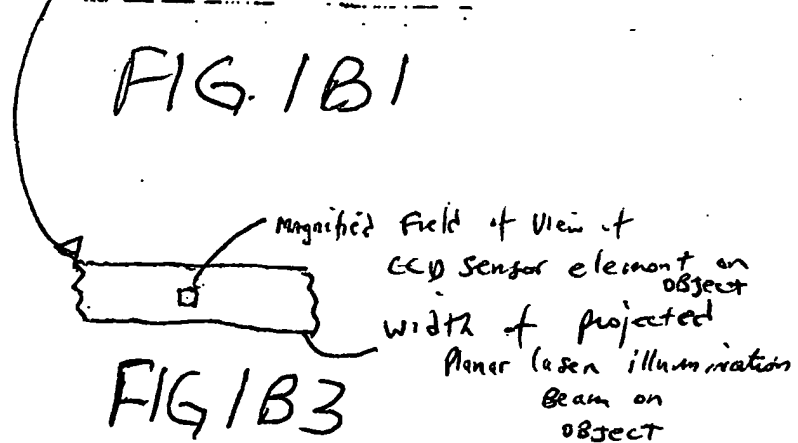


FIG. 1B3

20057100-001202



4/ 332

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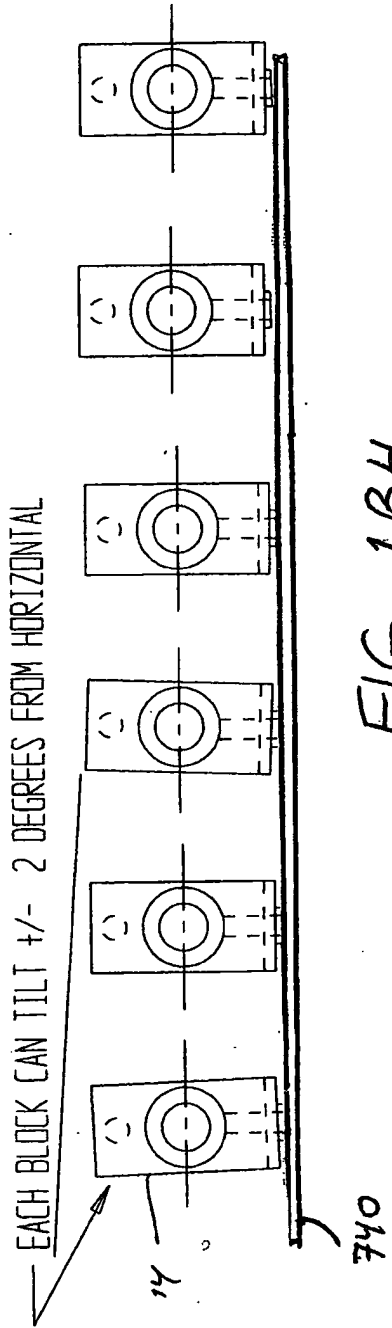


FIG. 1B4

FORWARD

VLD BLOCK CAN PITCH FORWARD FOR ALIGNMENT WITH OTHER VLD BEAMS

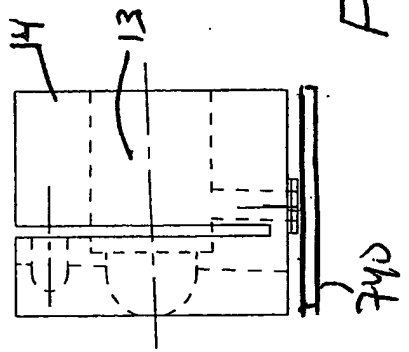
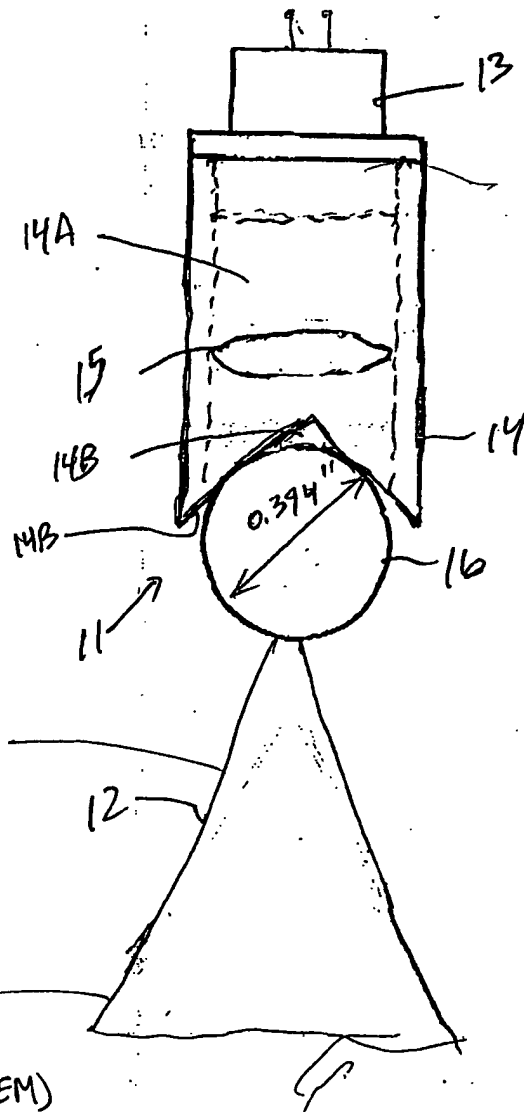


FIG. 1B5

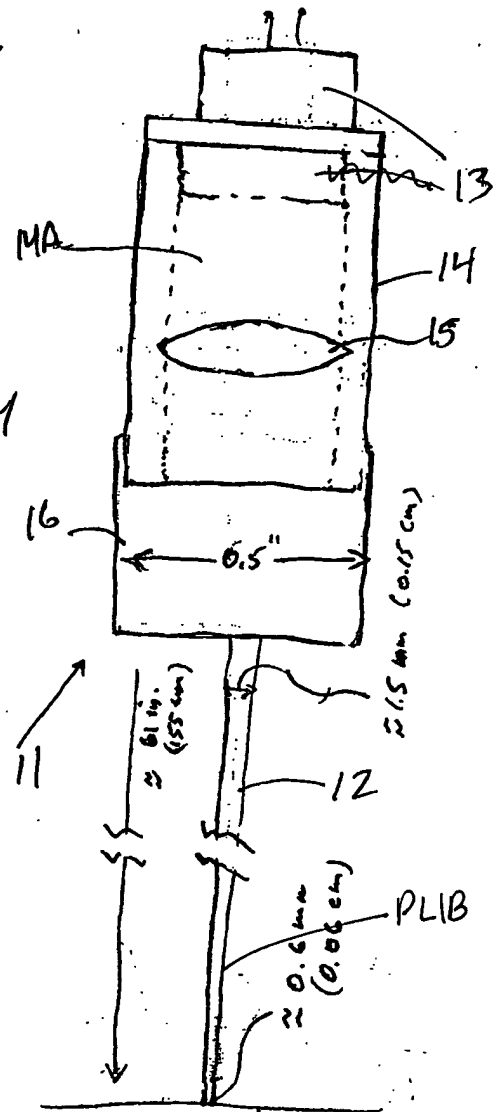


16/ 332



PLANAR LASER
ILLUMINATION BEAM
(PLIB)

FARTHEST OBJECT _____
 i.e. WORKING DISTANCE
 IN PLIM-BASED SYSTEM)



$\sim 1.5 \text{ km}$ (0.15 cm)

261 14.

Q. 6

- PLIB

FIG. 1G/5A

FIG. 1615B

furthest, i.e.
object (working
distance in
PLIM-Based
System)

SECRET

17/ 332

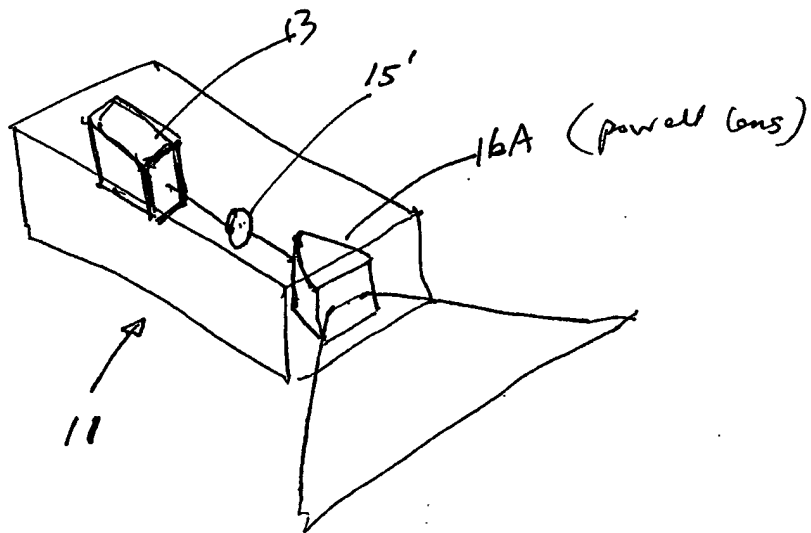


FIG. 1G.16A

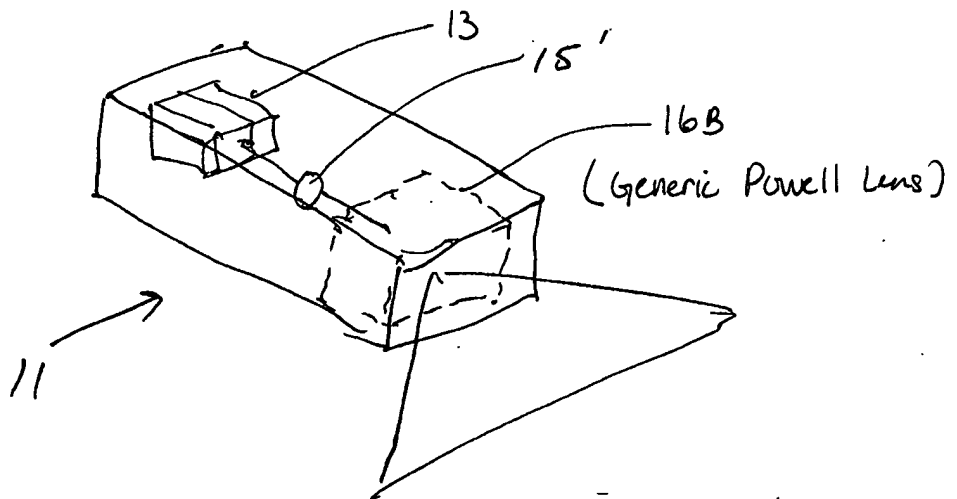


FIG. 1G.16B

PLIM w/
powell lens

20067140-001202

10/ 332

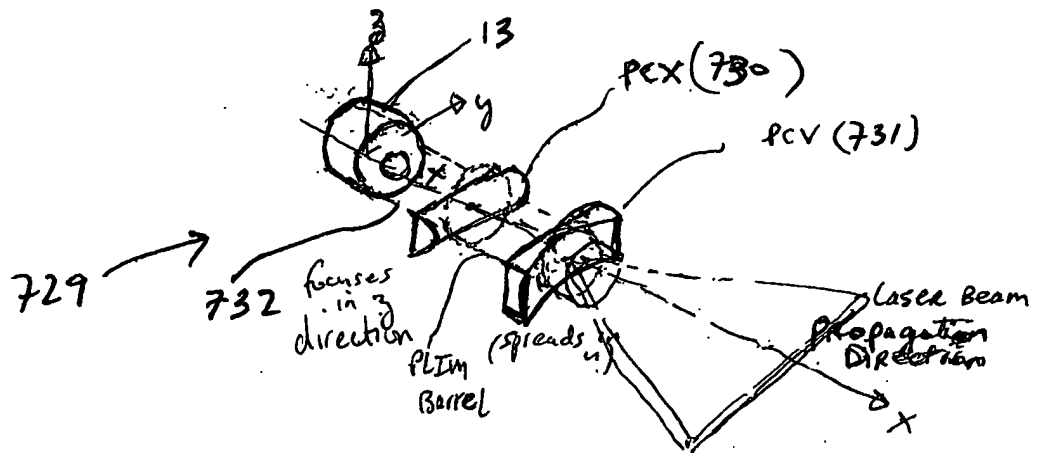


FIG. 16.17A

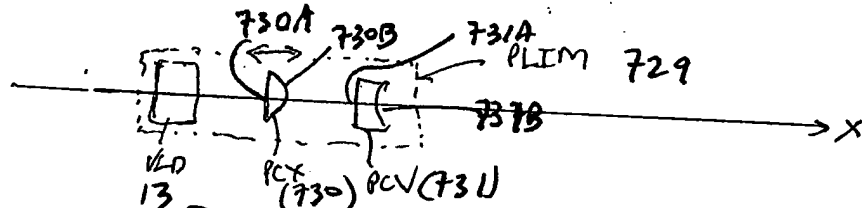


FIG. 16.17B

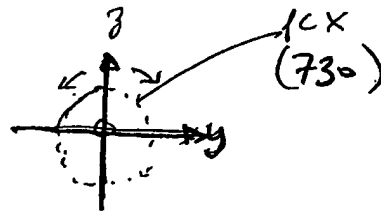


FIG. 16.17C

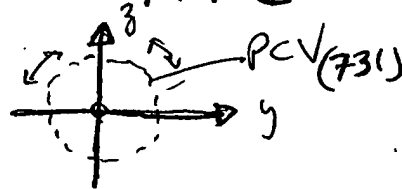


FIG. 16.17D

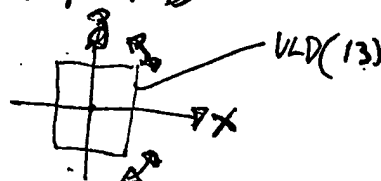


FIG. 16.17E

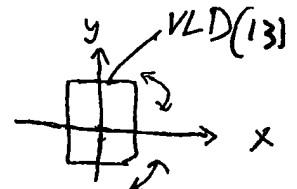


FIG. 16.17F

202780-04129001

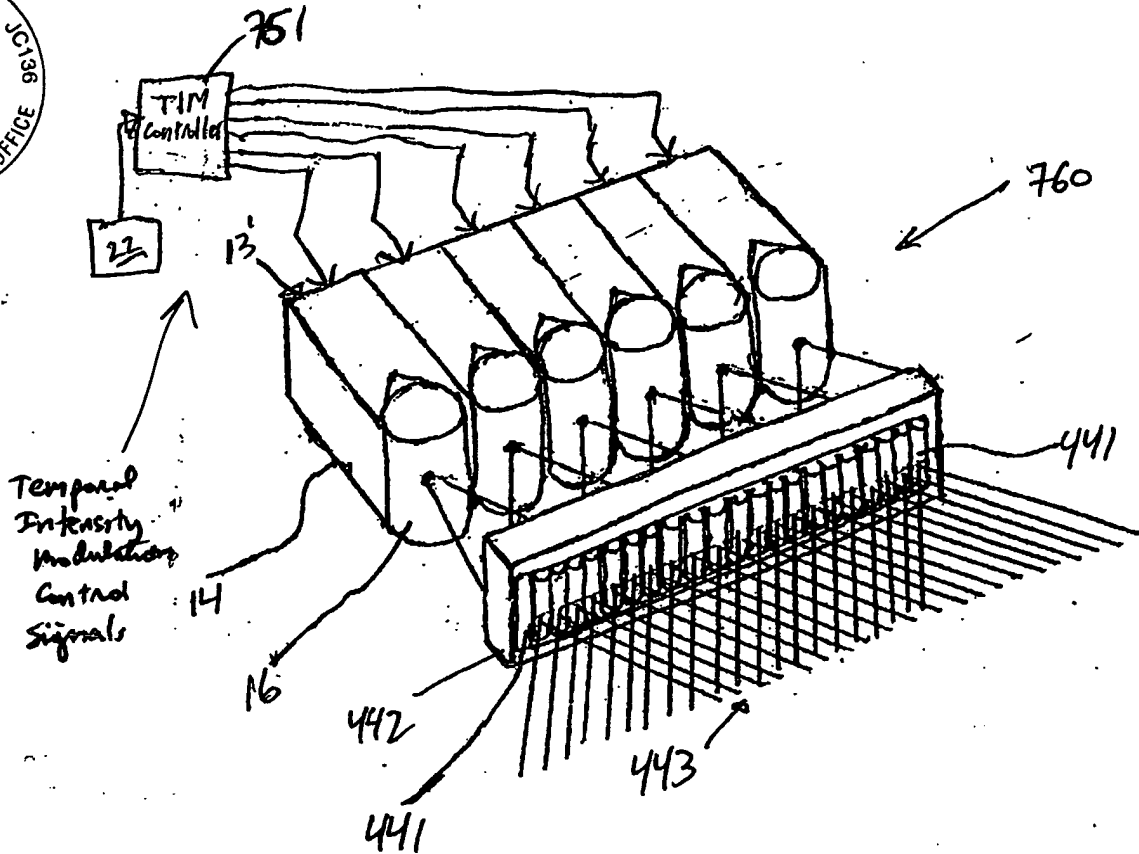
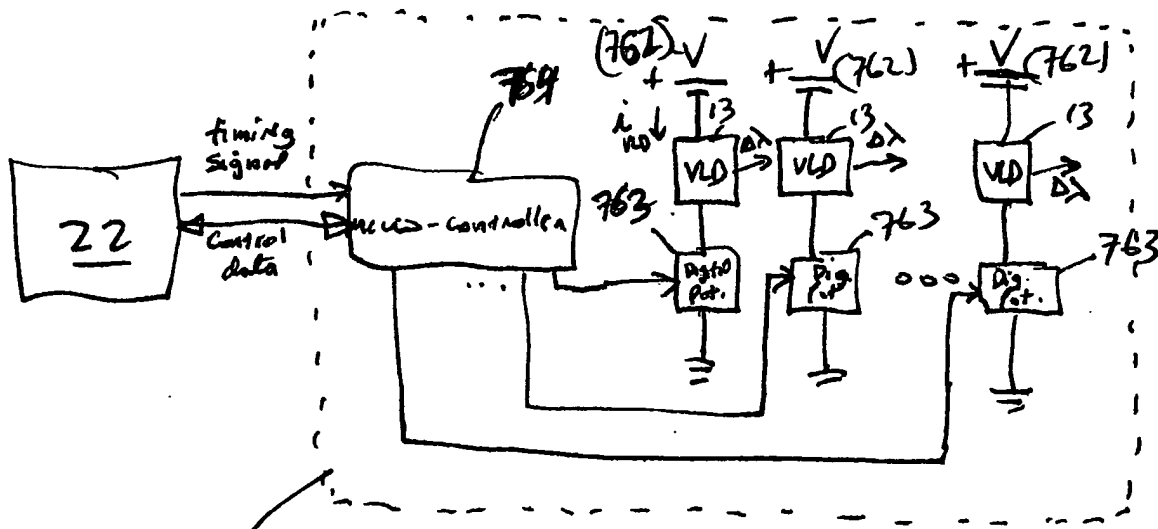


FIG. 1I15C



761
(TIM Controller)

FIG. 1I15D

Fourth Generalized Method of
Reducing Speckle-Noise Patterns
at Image Detection Array
of the FFD Subsystem (3)

(TFmp)

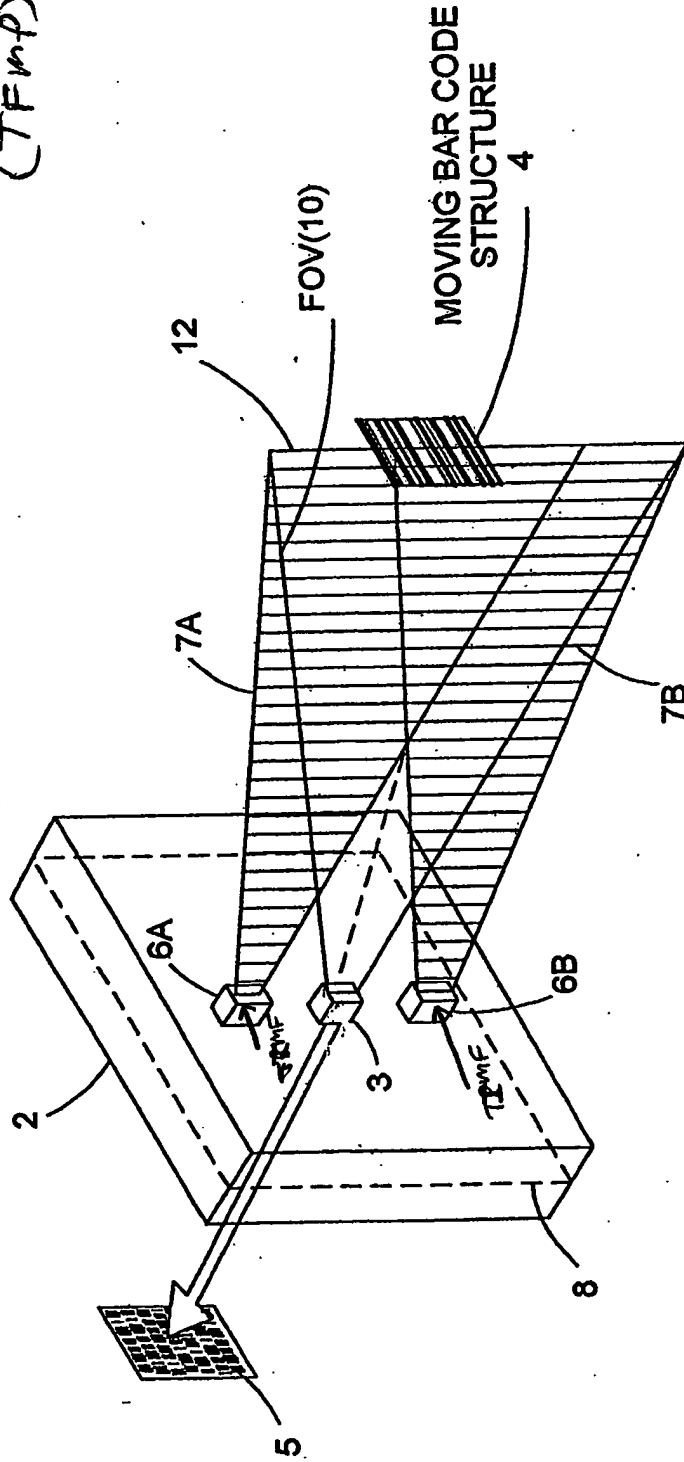


FIG. 1118A 1118

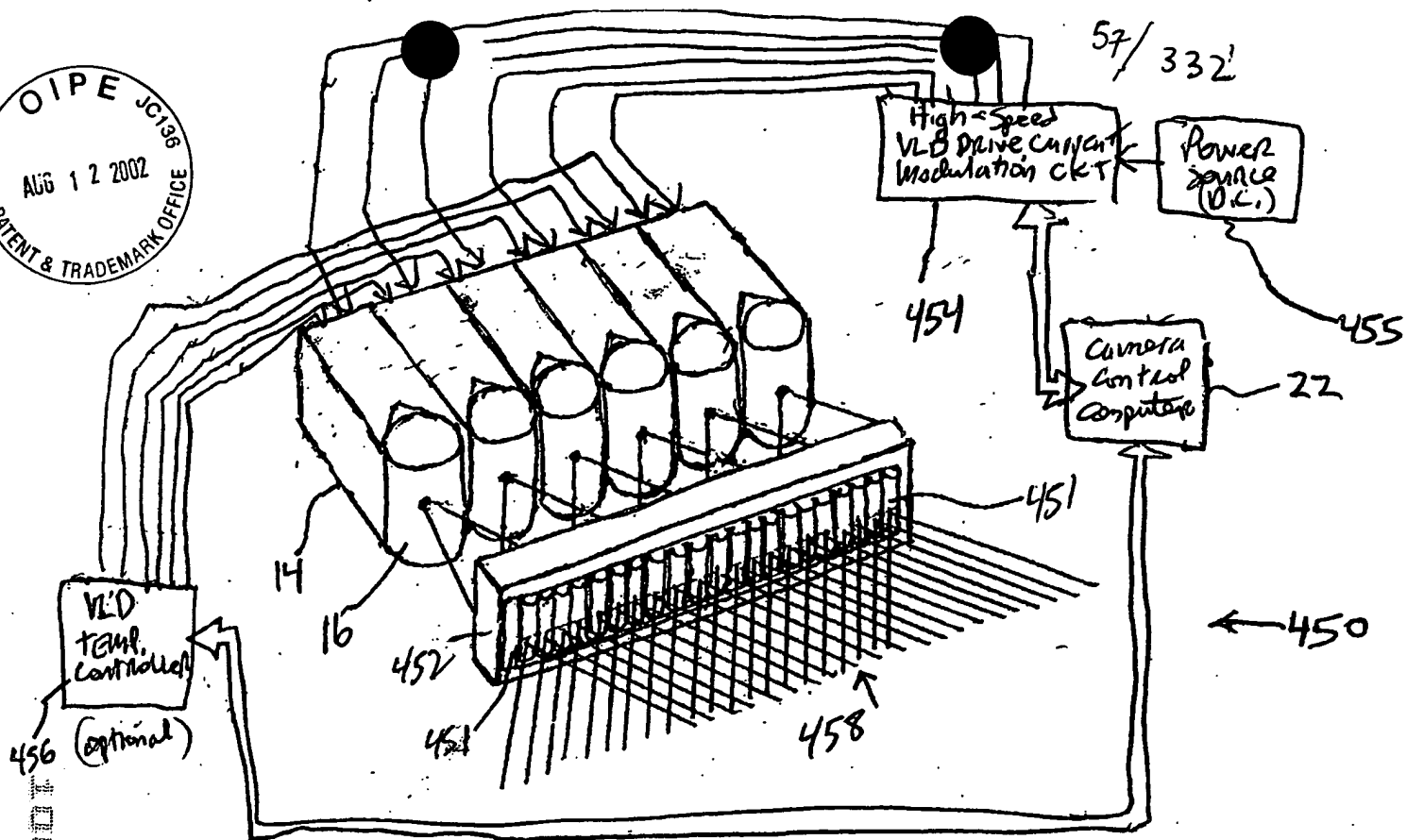
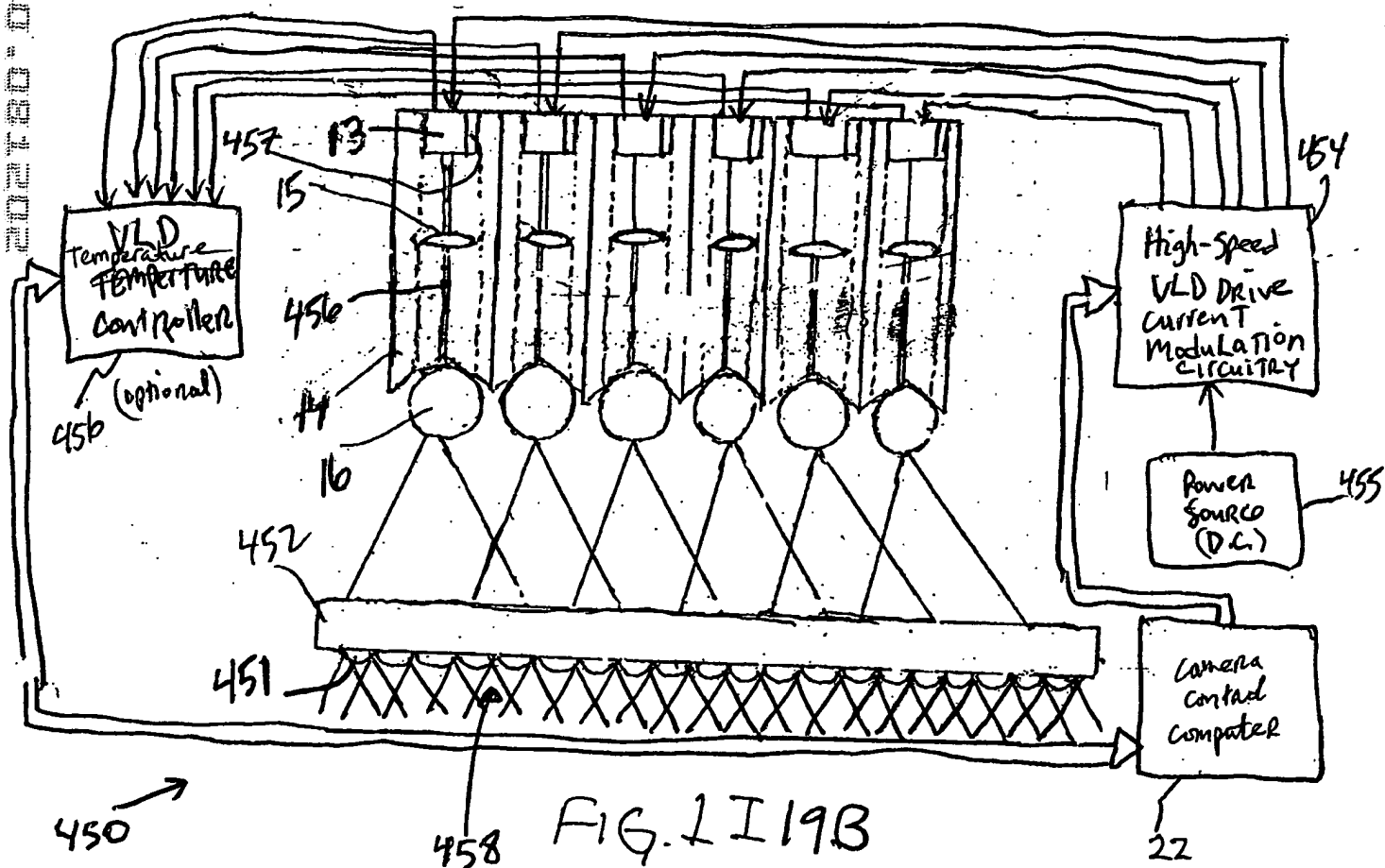
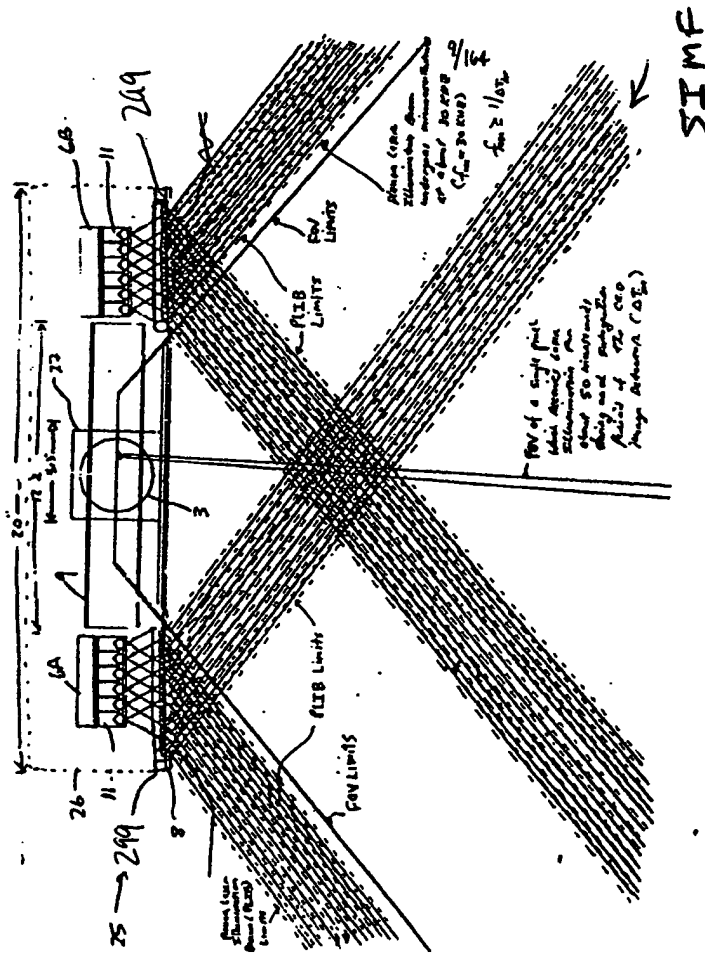


FIG. 1I19A



A circular stamp from the OIPF Patent & Trademark Office. The text "OIPF" is at the top, "PATENT & TRADEMARK OFFICE" is at the bottom, and "AUG 12 2002" is in the center. The date is written in a bold, sans-serif font.

REPORT



Light to object illumination

FIG. 11 20A

Sixth Generalized Method of
Reducing Speckle-Noise Patterns
at Image Detection Array
of the IFD Subsystem

(SIMF)

63/ 332

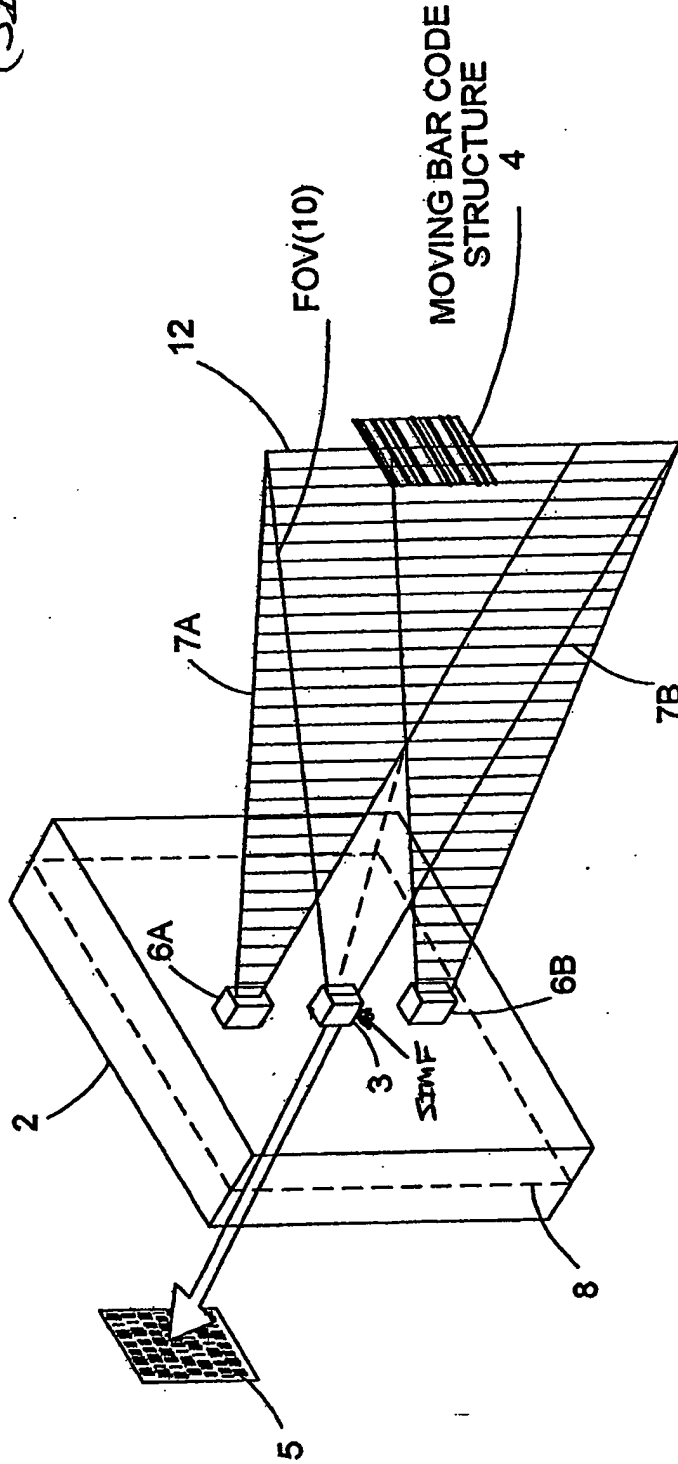
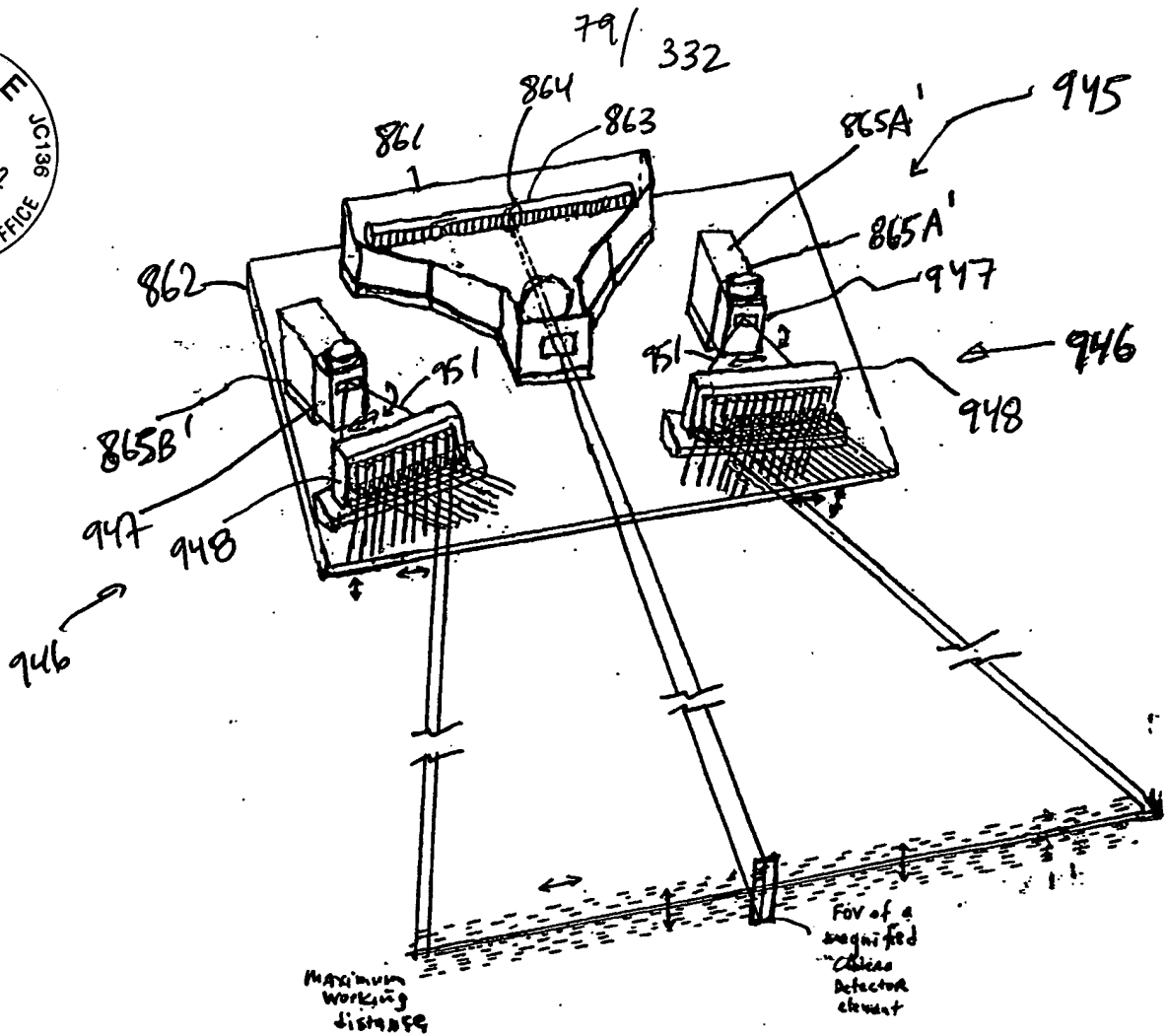


FIG. 1I 22



Lateral and Transverse Motion of ALB

FIG. 1I25I1

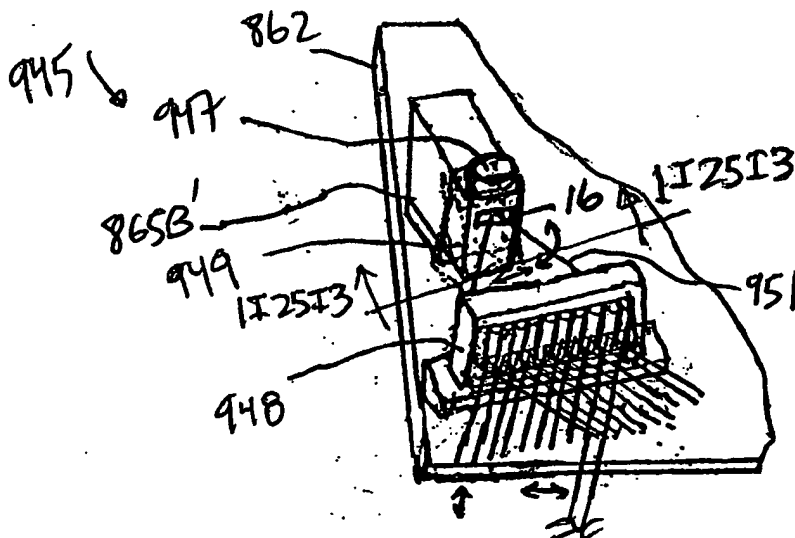


FIG. 1I25I2

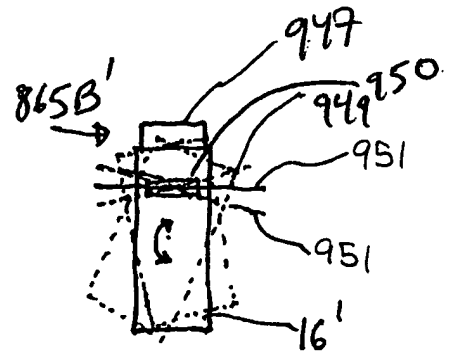
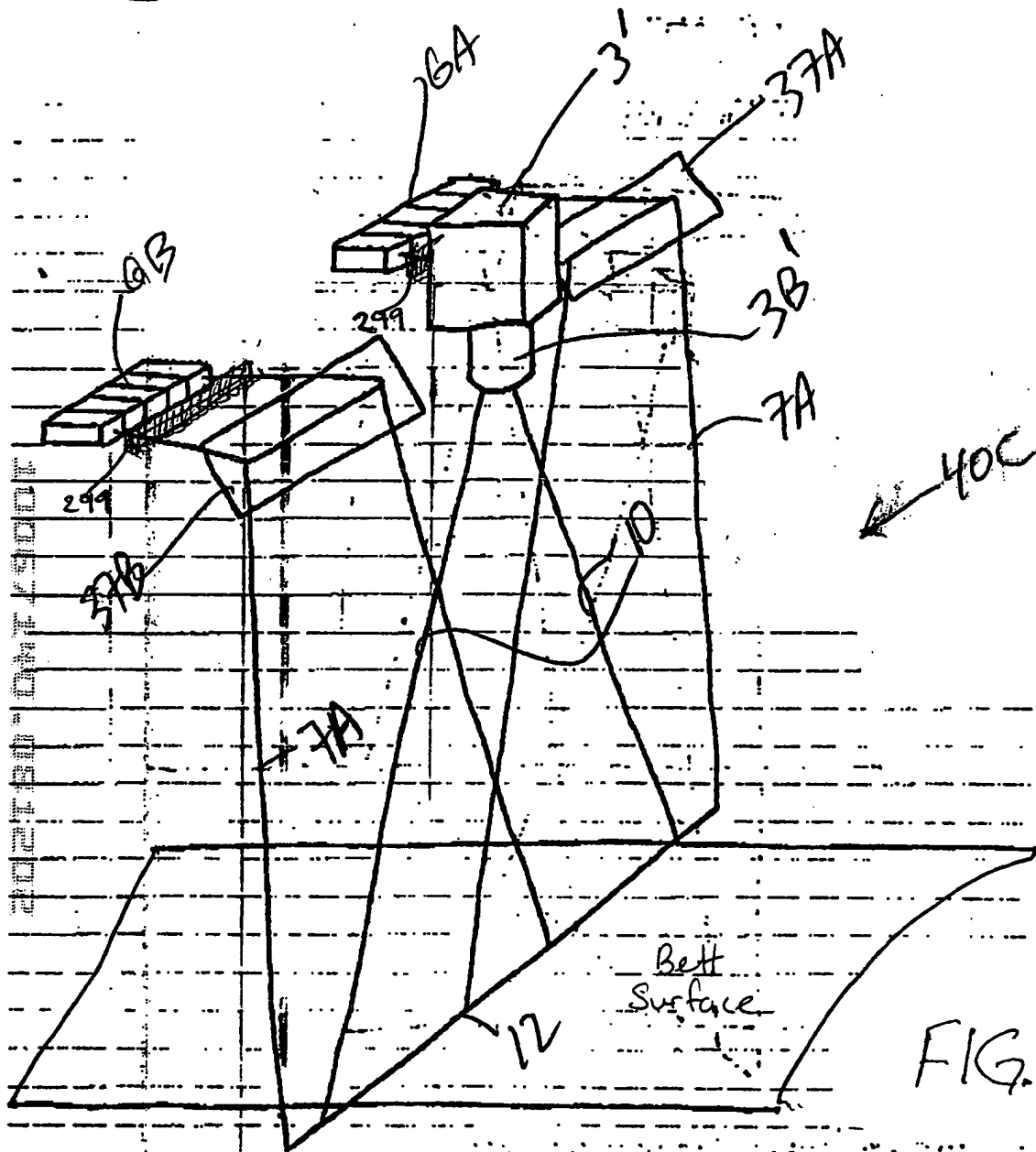


FIG. 1I25I3

20067140-081202



117/332



Bett ...
Surface

120/332

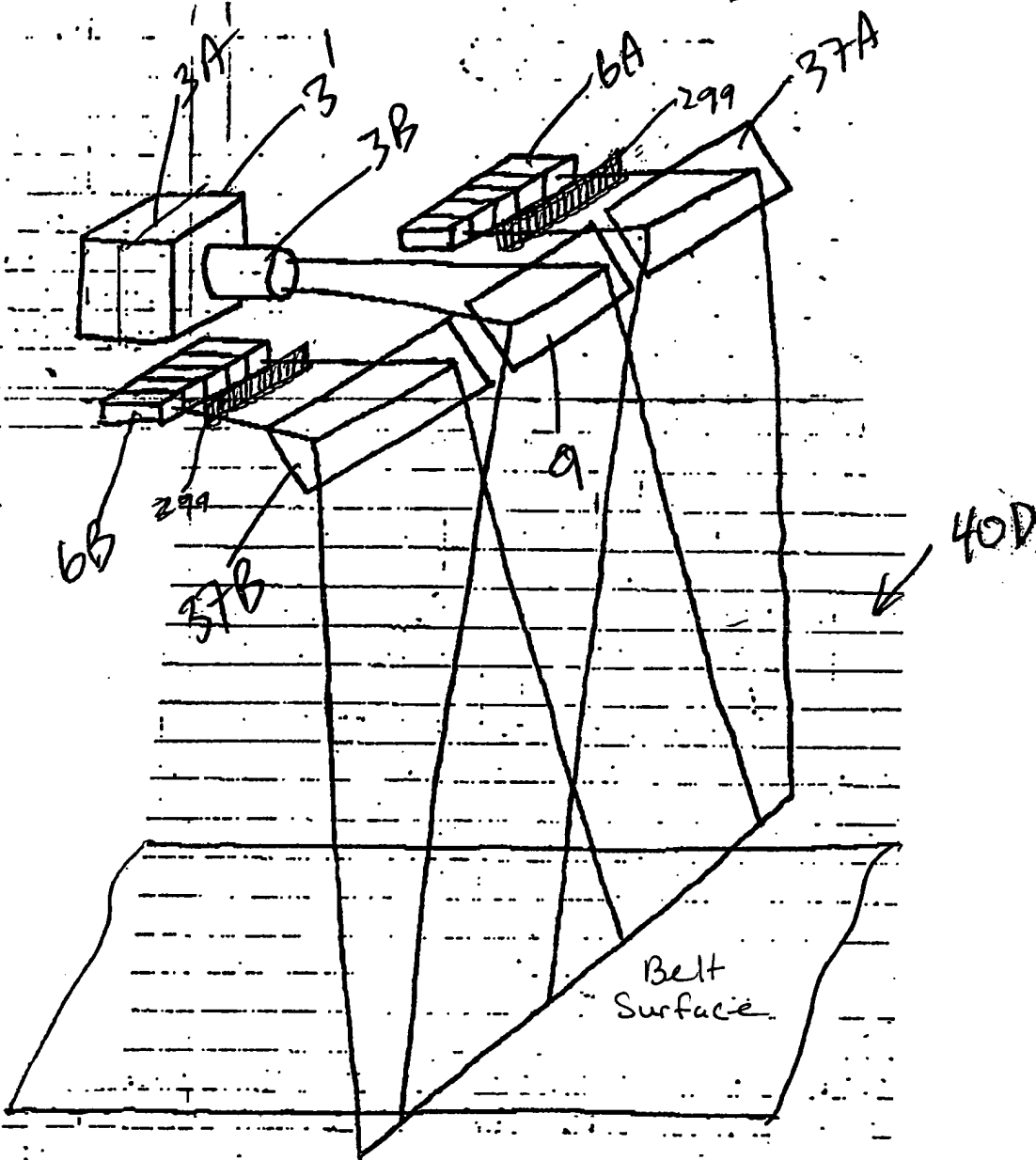


FIG. 2F1

138/332

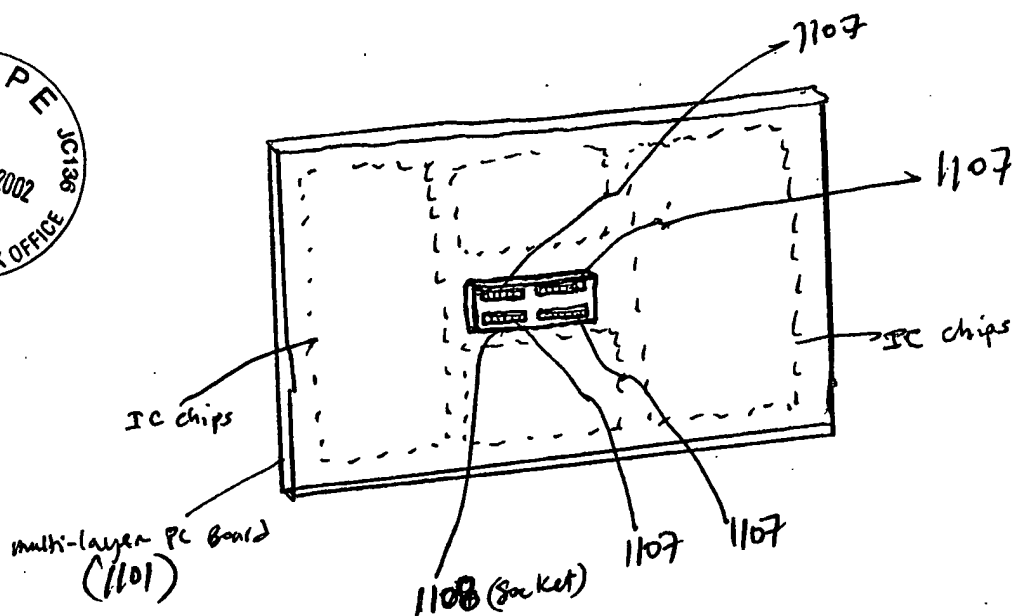


FIG. 3D6

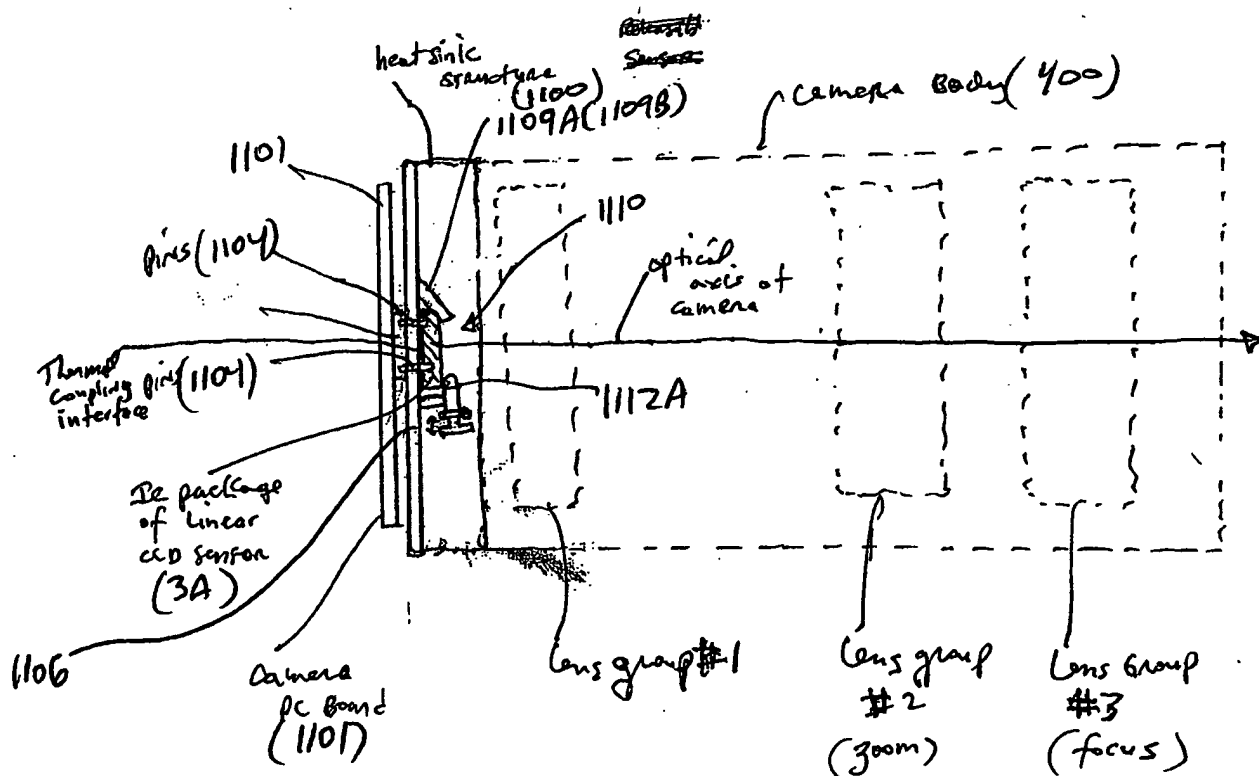


FIG. 3D7

10067440-081202

202180* DWT 29001

151/332

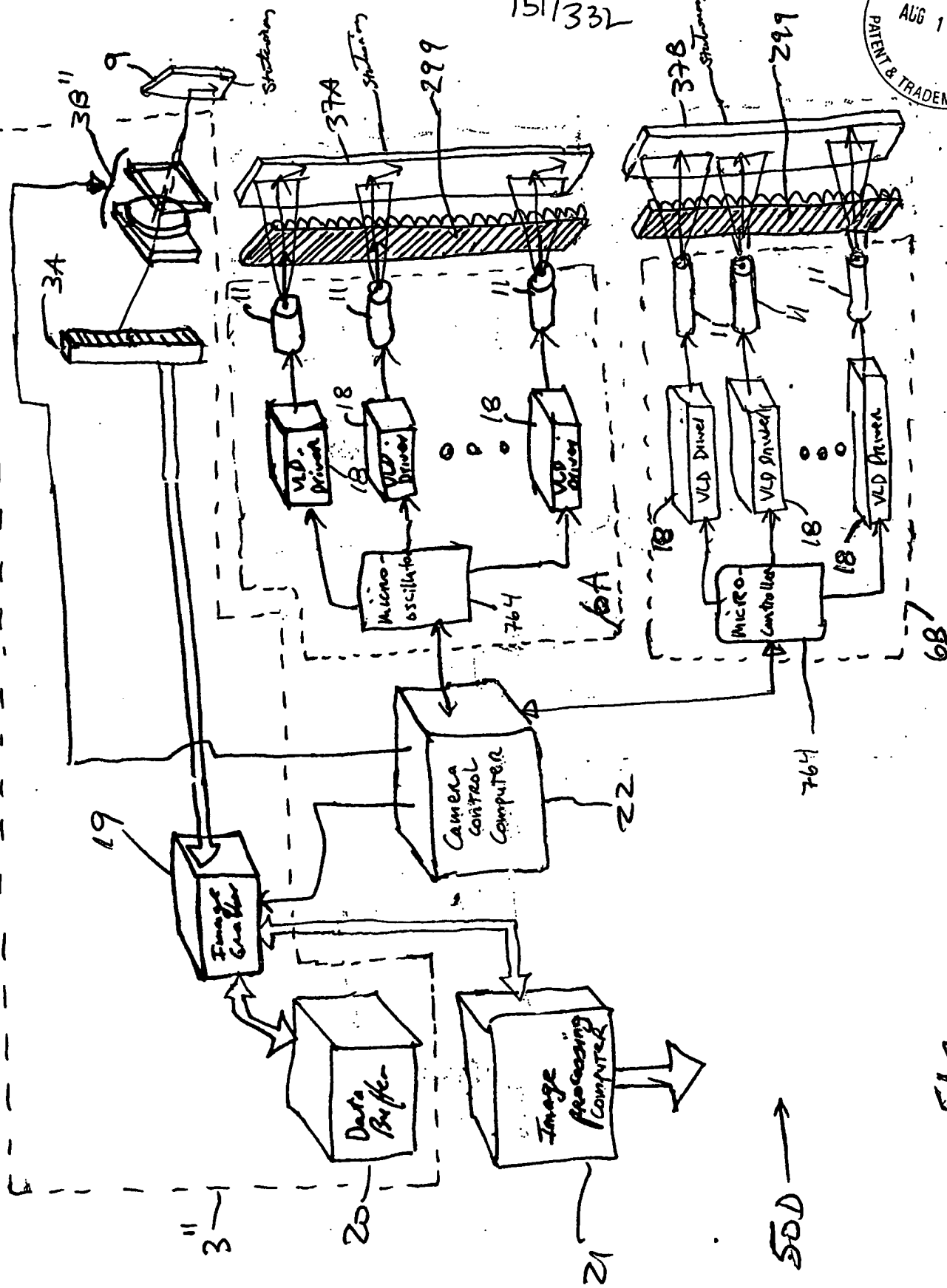
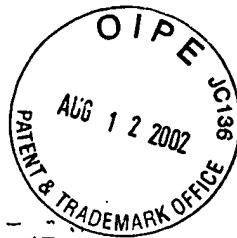


FIG. 342

500 →

202180-01629007

201/332

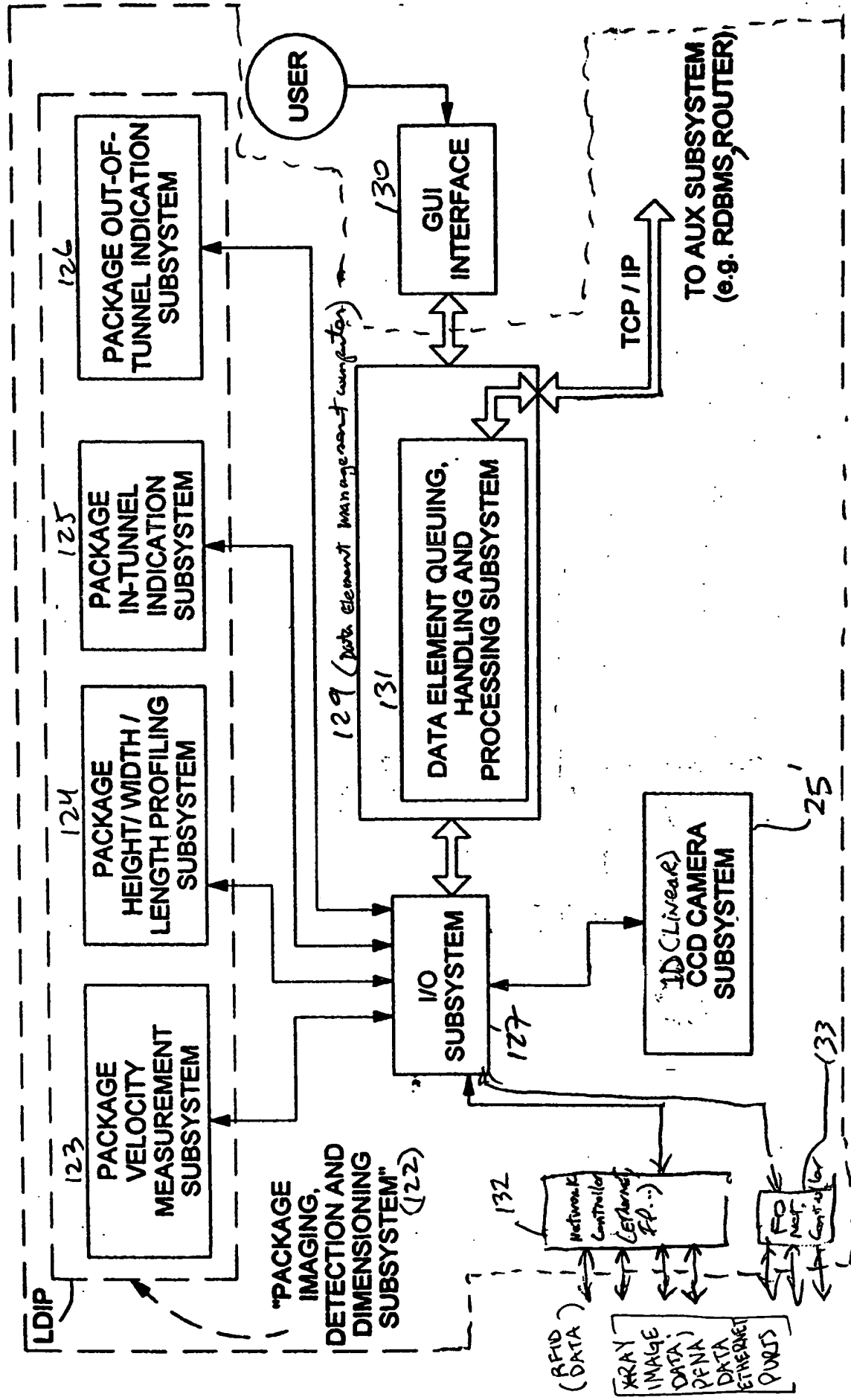
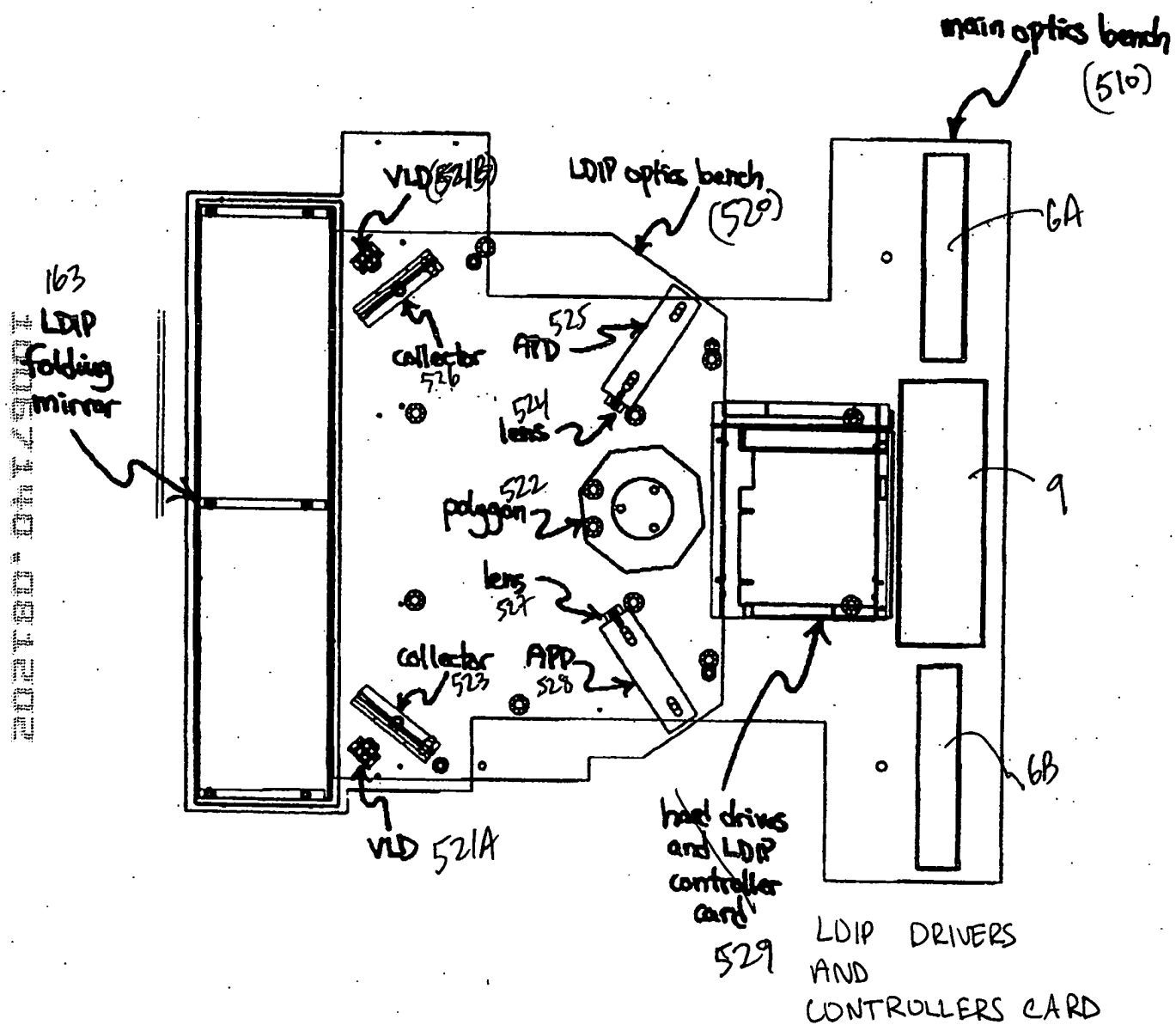


FIG. 10

120



206/332



215/332.

CAMERA CONTROL PROCESS CARRIED OUT WITHIN THE
CAMERA CONTROL SUBSYSTEM OF EACH OBJECT ATTRIBUTE ACQUISITION
AND ANALYSIS SYSTEM IDENTIFICATION AND

SYSTEM OF THE
PRESENT INVENTION
560

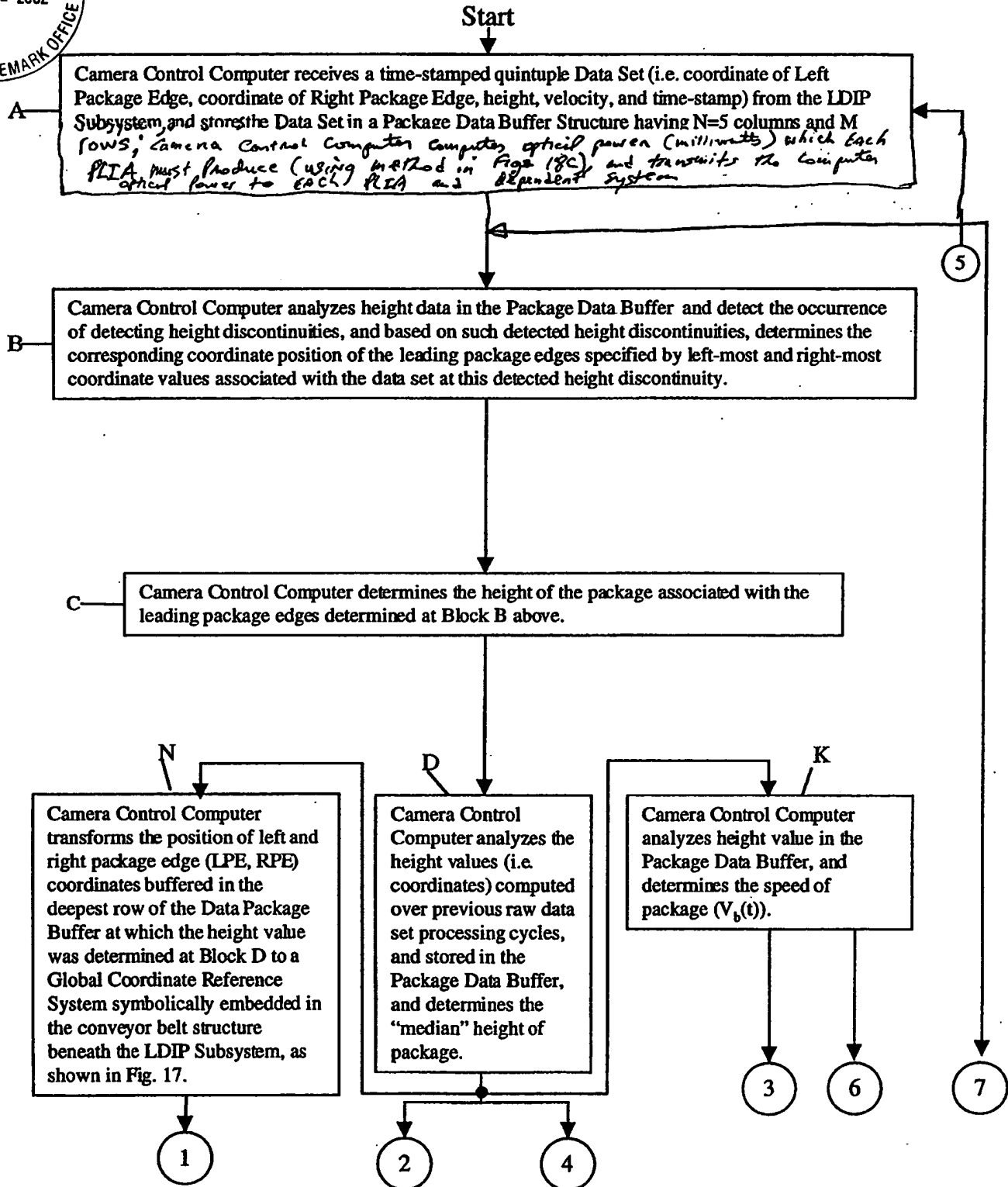
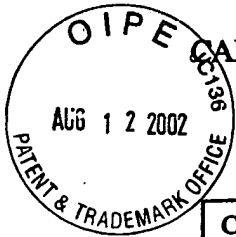
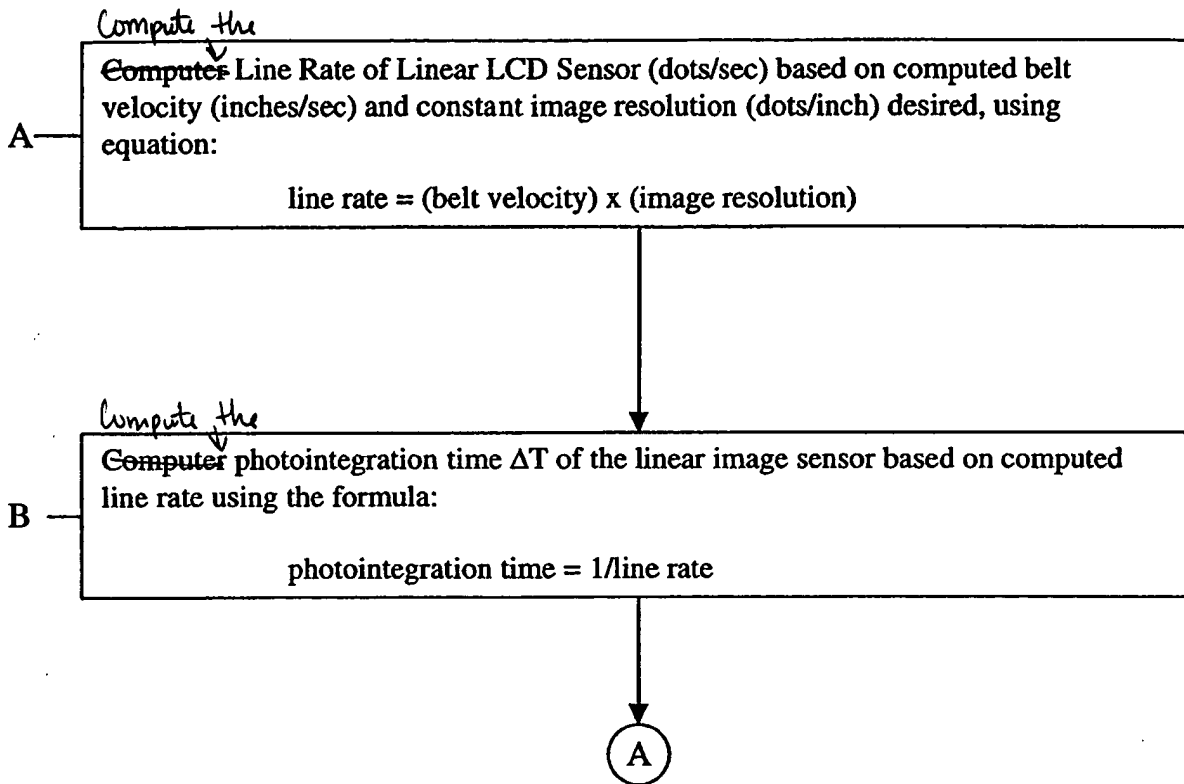


Fig. 18A

2021-08-12 2002



217/332



202130-047-9001

Fig. 18C1

218/332



Compute optical power (milliwatts) of each PLIA based on computed photointegration time_{period} (ΔT) using the following formula:

$$\text{optical power of LD (milliwatts)} = \frac{\text{constant}}{\text{photointegration time}_{\text{period}} \Delta T}$$

Fig. 18C2

2025-04-23 14:50:00



224/332

2002130-0129007

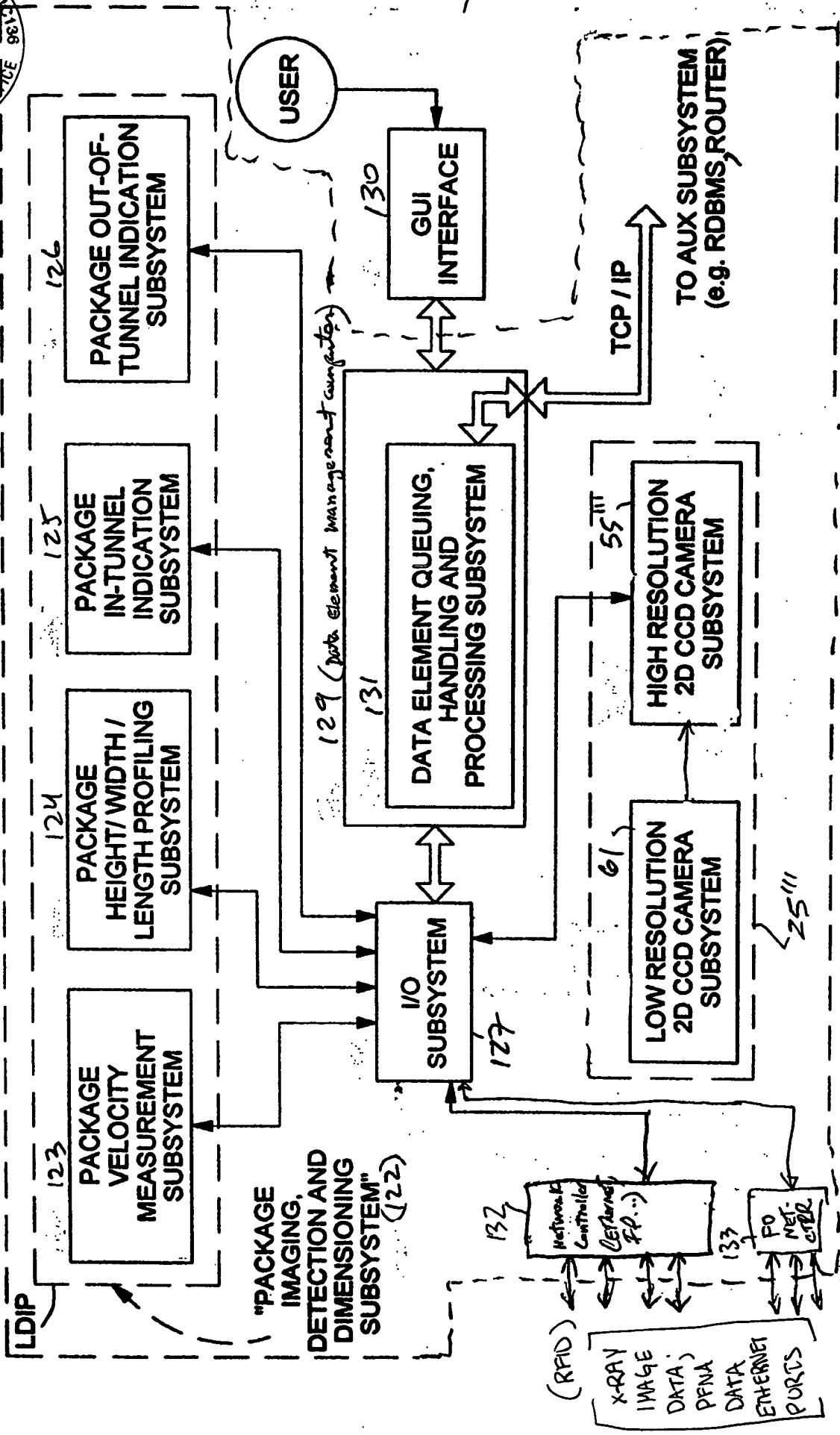
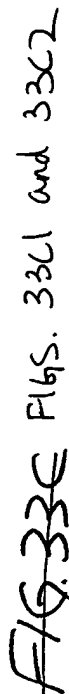


FIG. 25

140

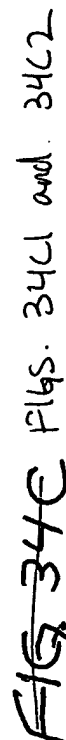
A circular black and white stamp. The outer ring contains the text "OIPE" at the top and "PATENT & TRADEMARK OFFICE" at the bottom. In the center, the date "AUG 12 2002" is stamped. To the right of the date, "JC136" is handwritten.

005



~~FIG. 33C~~ Figs. 33C and 33C2

66



~~FIG 34C~~ Figs. 34C1 and 34C2



244/332

1225

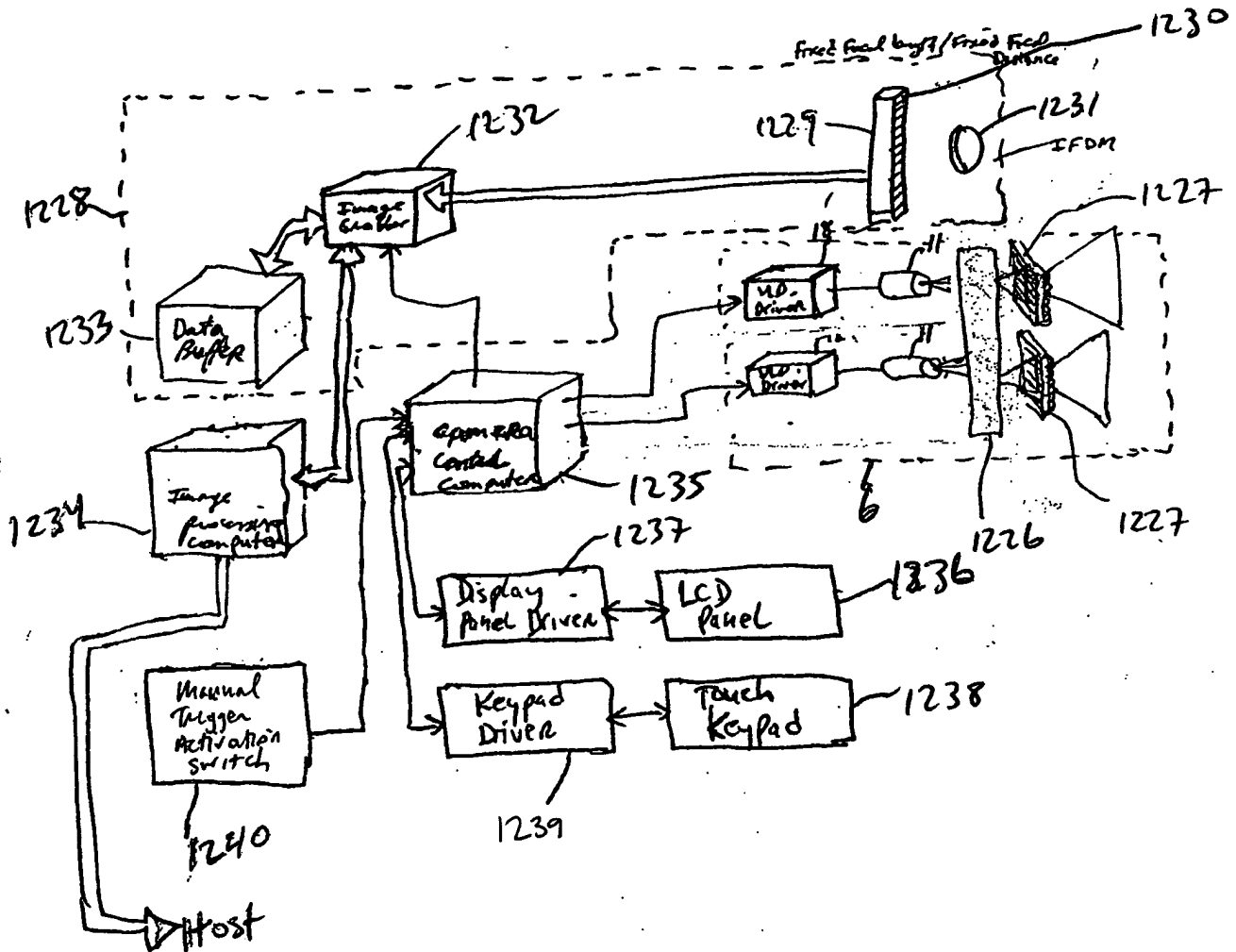
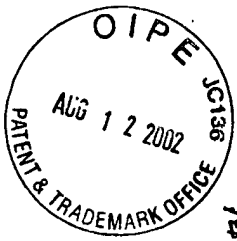


FIG. 40A1



25/332

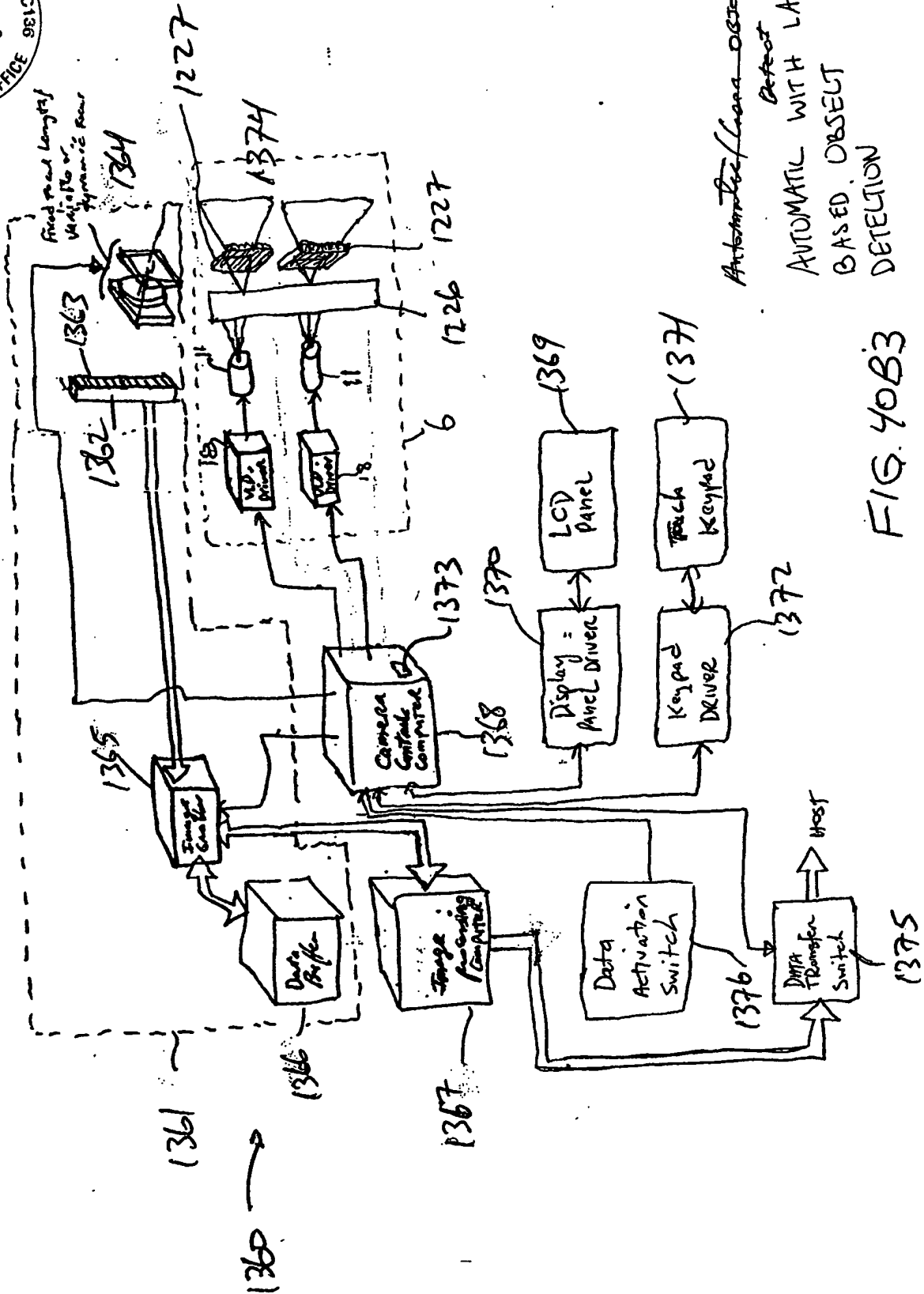
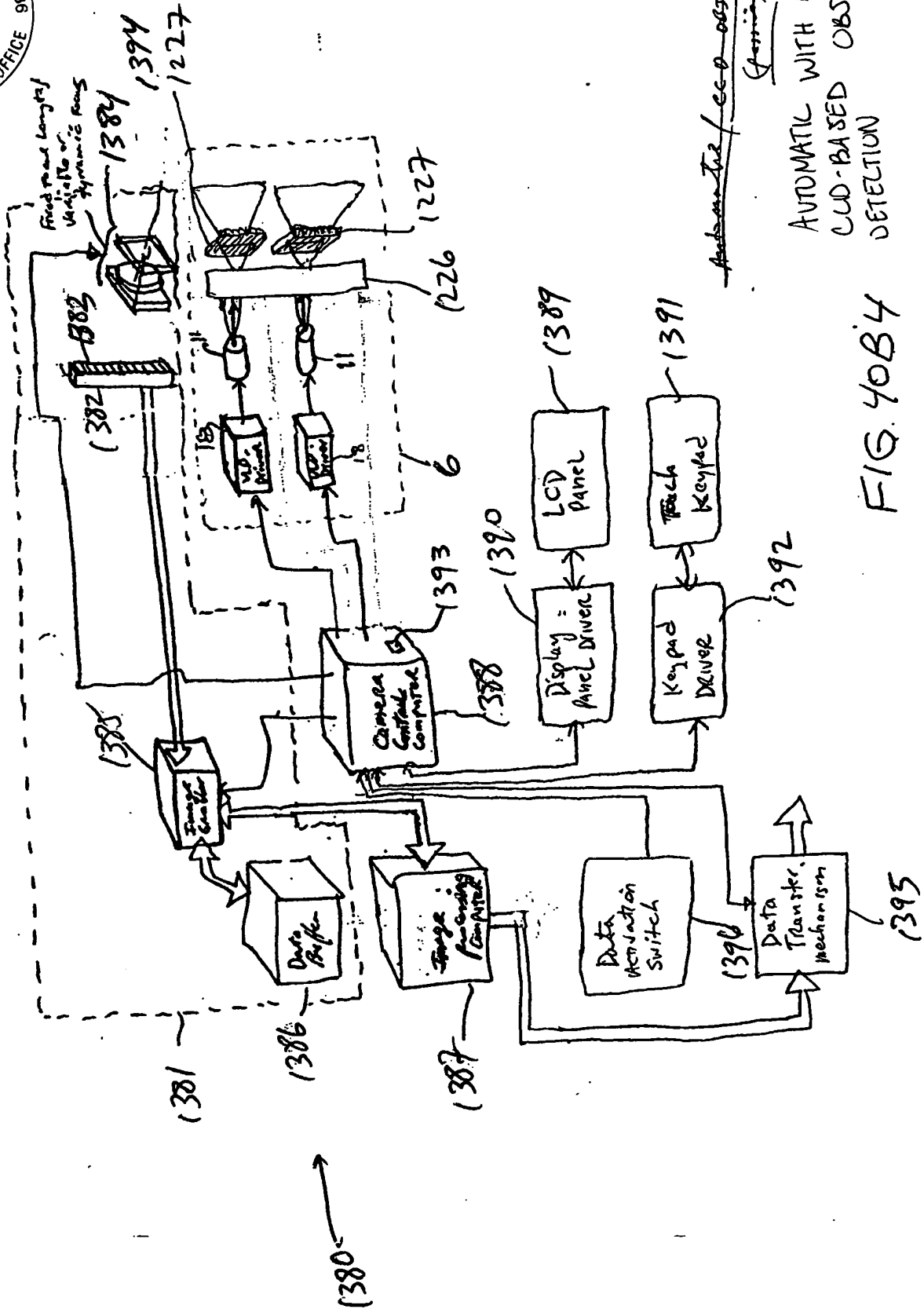


FIG. 40B3

2027307-01125007



252/332



AUTOMATIC WITH PASSIVE
CUD-BASED OBJECT
DETECTION

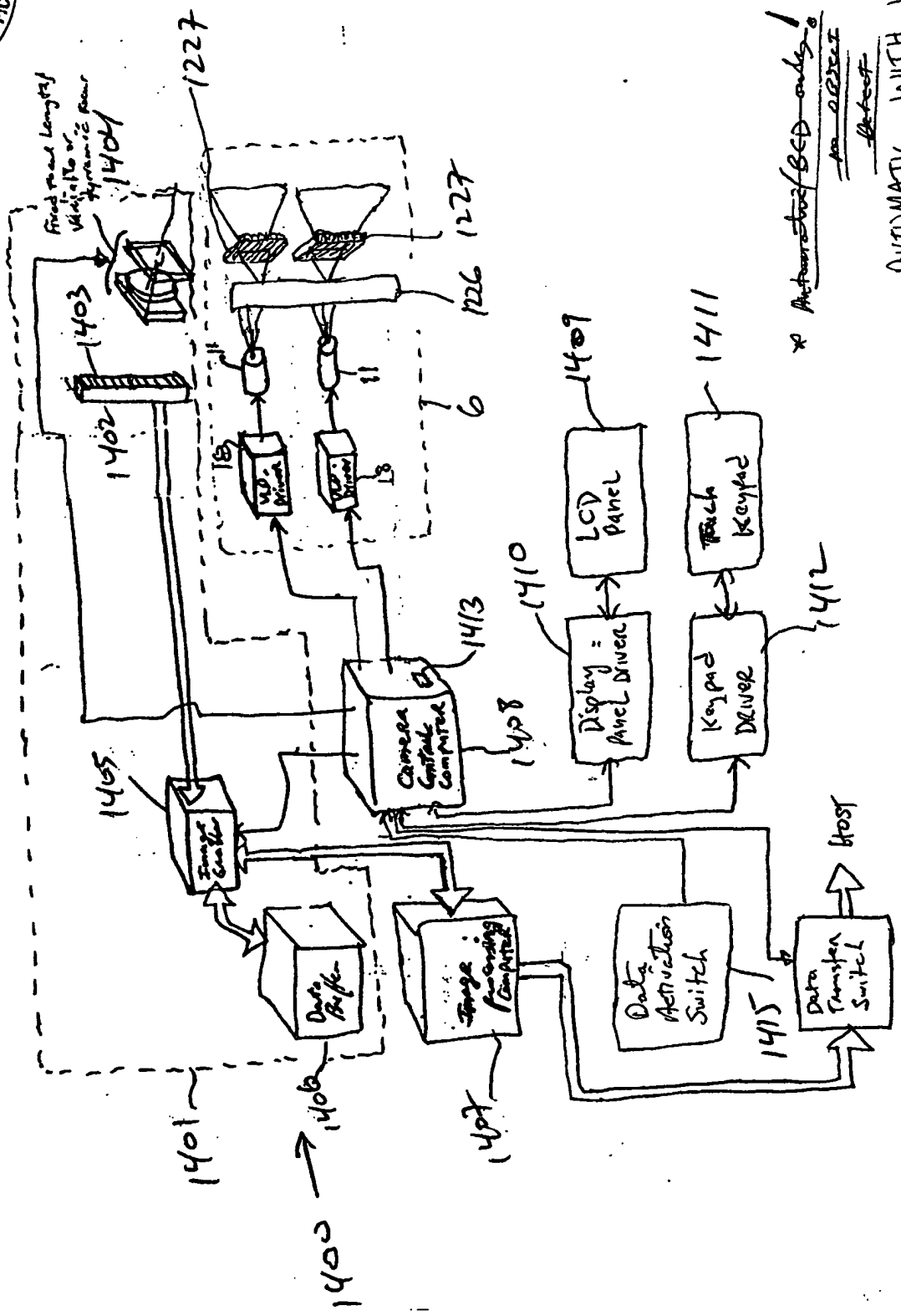
FIG. 40B4

~~Automatic / CUD-based object detection~~
(passive)

202730 PAT/5001



253/332



* Activation/BED only!
no detect
detect

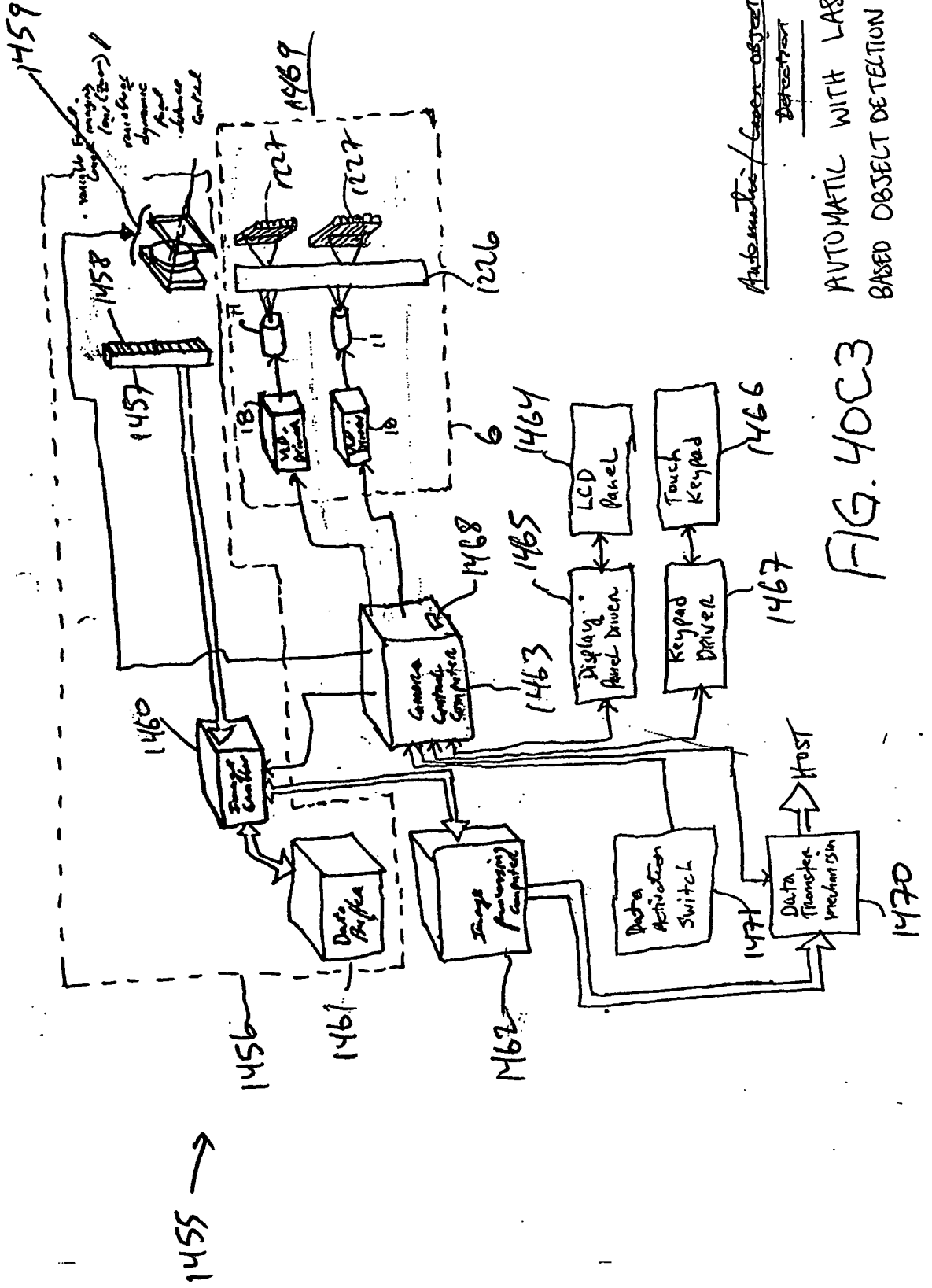
AUTOMATIC WITH BUD
ONLY AND NO OBSECT
DETECTION

FIG. 40B5

1414



202130-047-0001



Automatic Laser-based Object Detection

AUTOMATIC WITH LASER BASED OBJECT DETECTION

FIG. 40C3

A circular black and white stamp. The text "OIPE" is at the top, "JCI 36" is on the right, "AUG 12 2002" is in the center, and "PATENT & TRADEMARK OFFICE" is at the bottom.

257/332

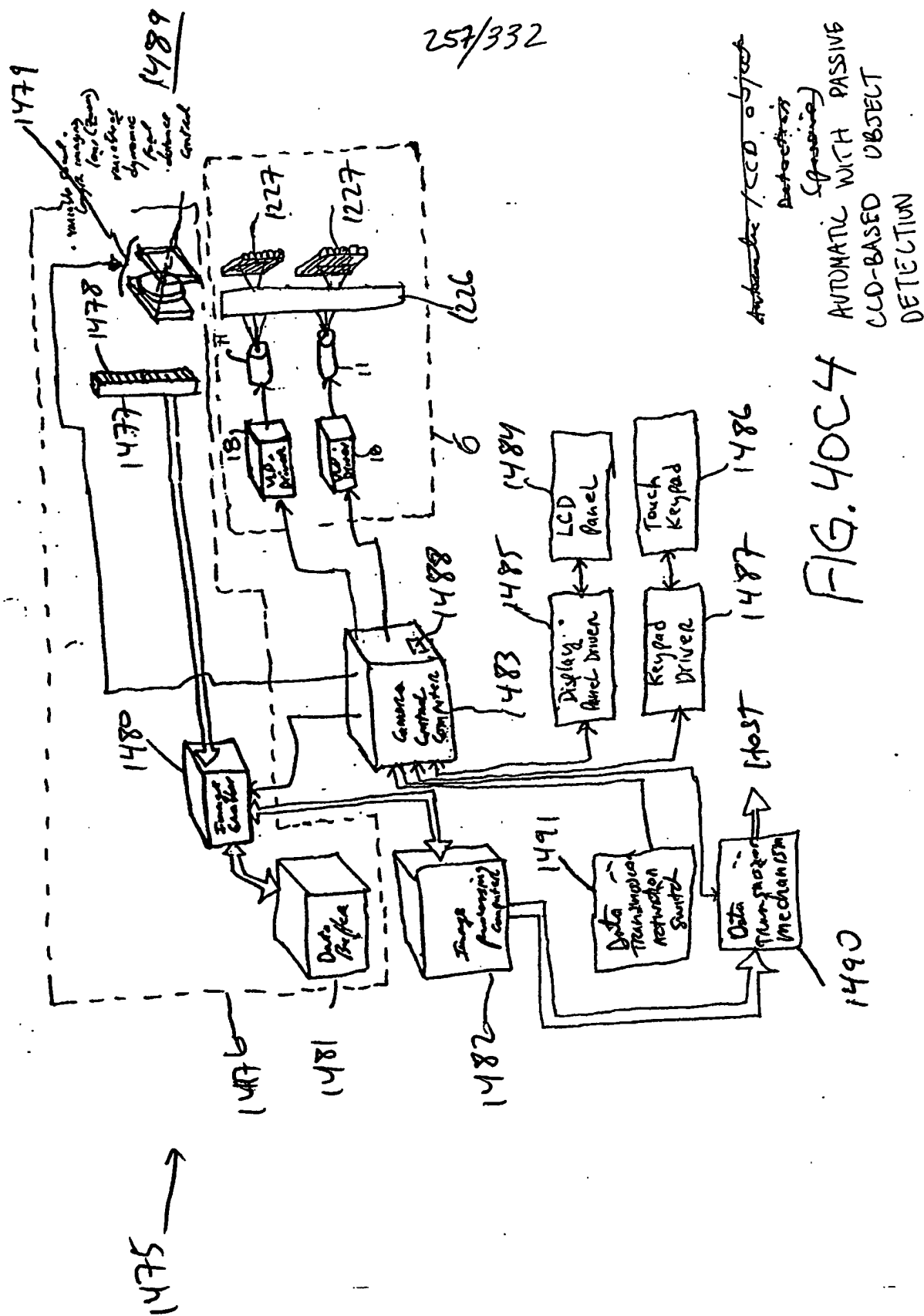
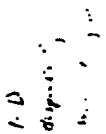


FIG. 40C4

!



280/332

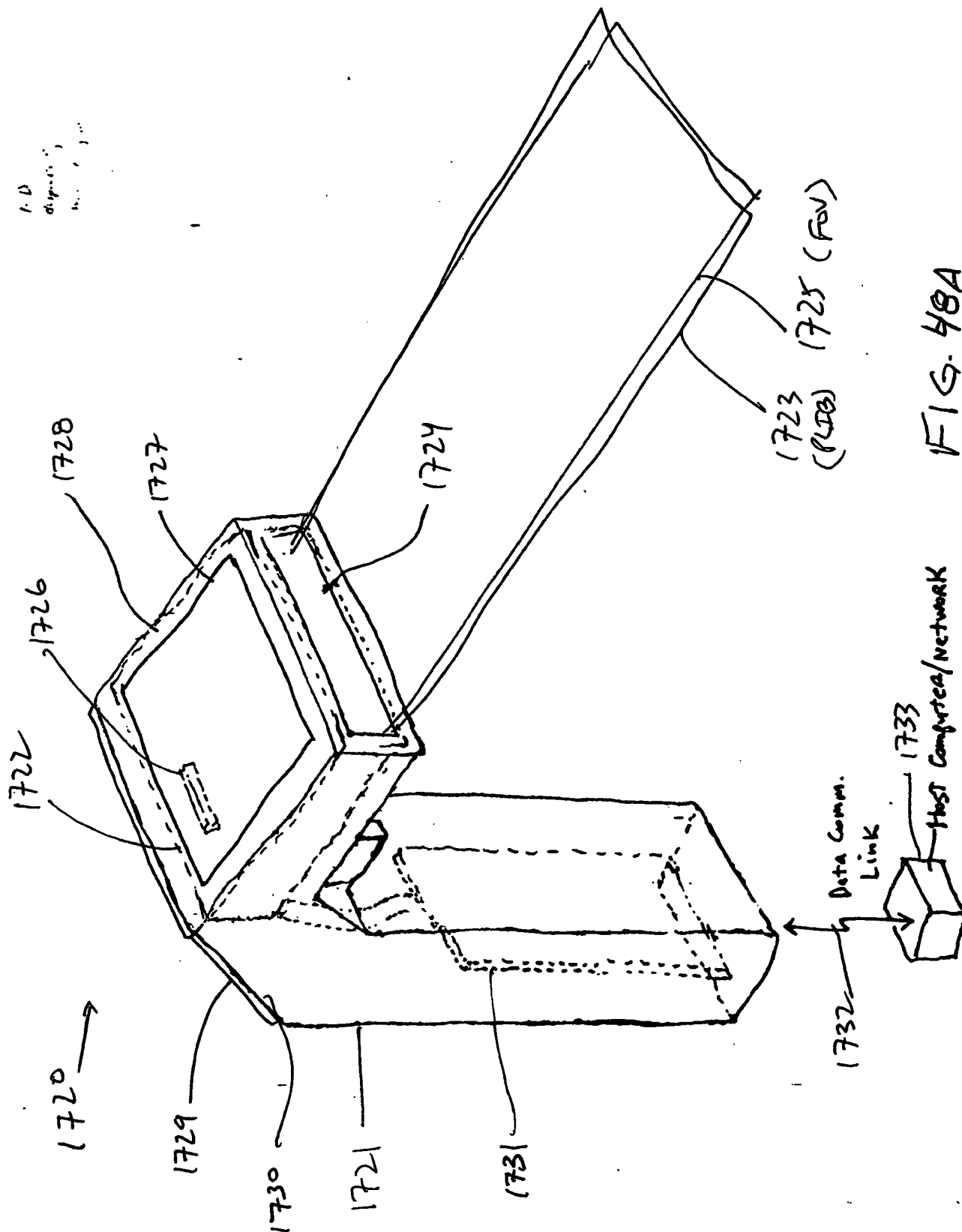


FIG. 48A

284/332

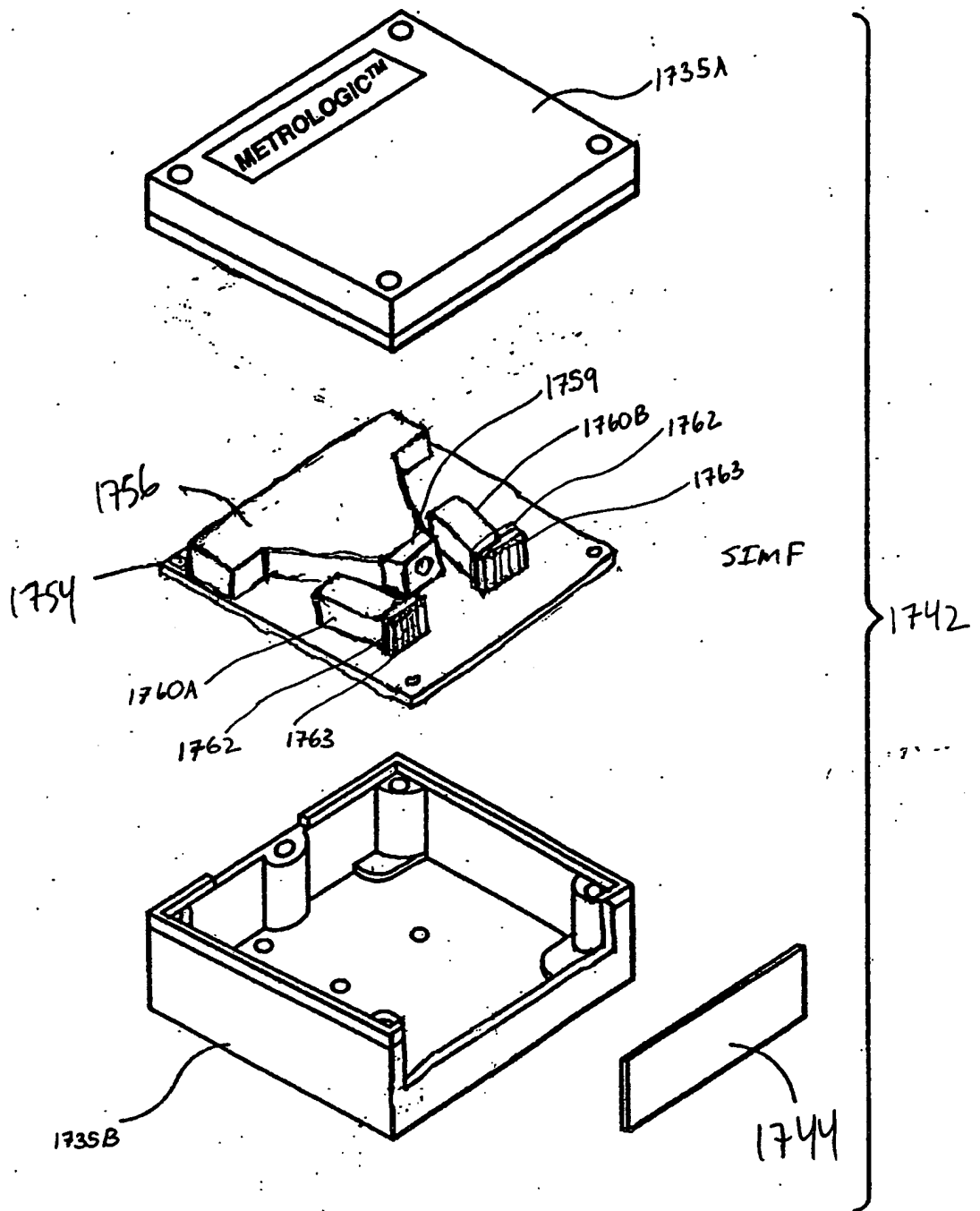

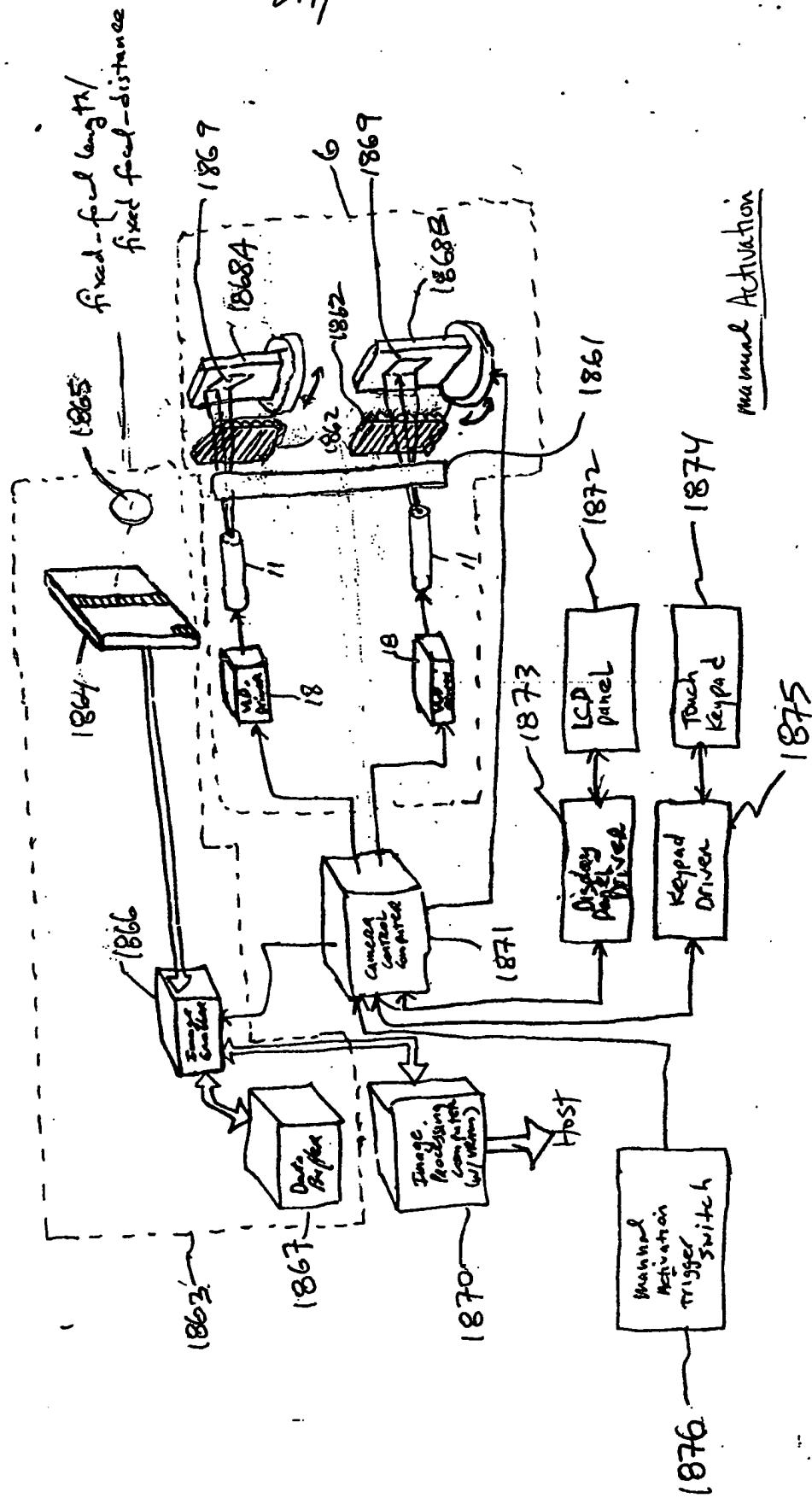


FIG. 49B

10067140-001202

A circular black ink stamp from the OIPE (Office International de la Propriété Industrielle). The text "OIPE" is at the top, "JUL 136" is on the right, "AUG 12 2002" is in the center, and "PATENT & TRADEMARK OFFICE" is at the bottom.

1860 

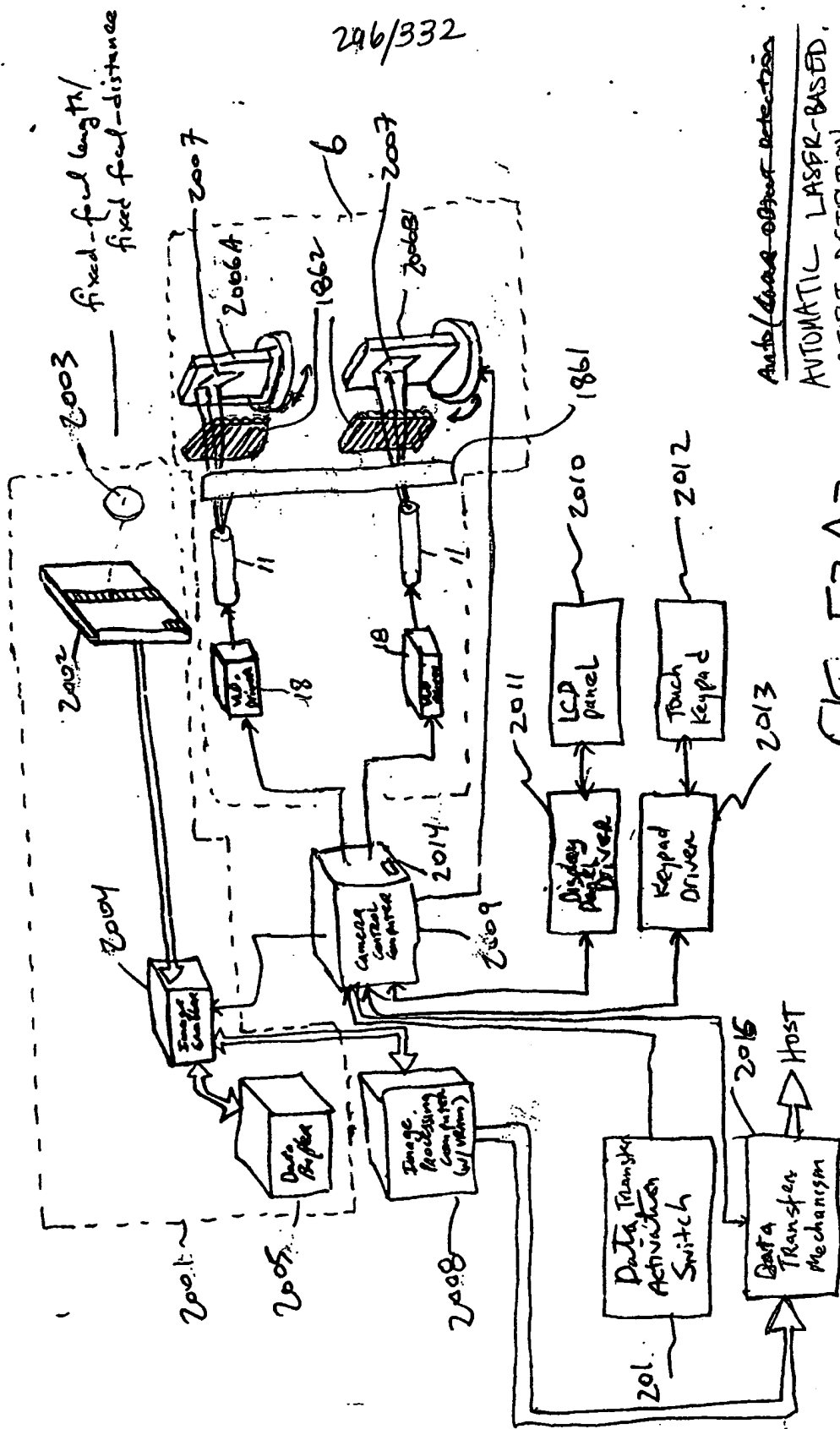




246/332

Auto/semi-auto detection
AUTOMATIC LASER-BASED
OBJECT DETECTION

FIG. 53A3



2002

297/332

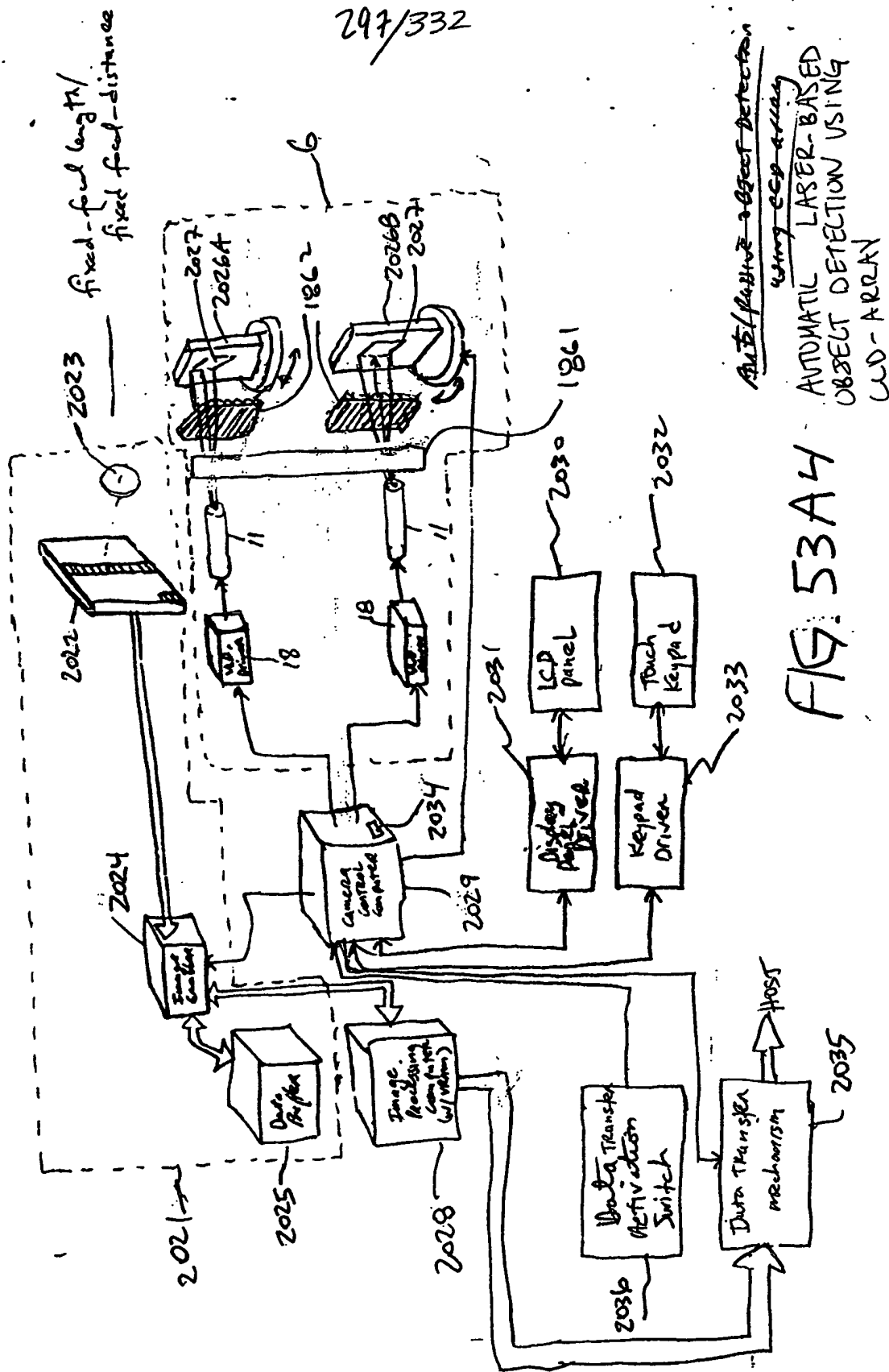


FIG. 53A4

Automatic Laser-Based
Object Detection Using
CCD Array

A circular stamp from the OIPE Patent & Trademark Office. The text "OIPE" is at the top, "JCI 13 98" is on the right, "AUG 12 2002" is in the center, and "PATENT & TRADEMARK OFFICE" is at the bottom.

249/332

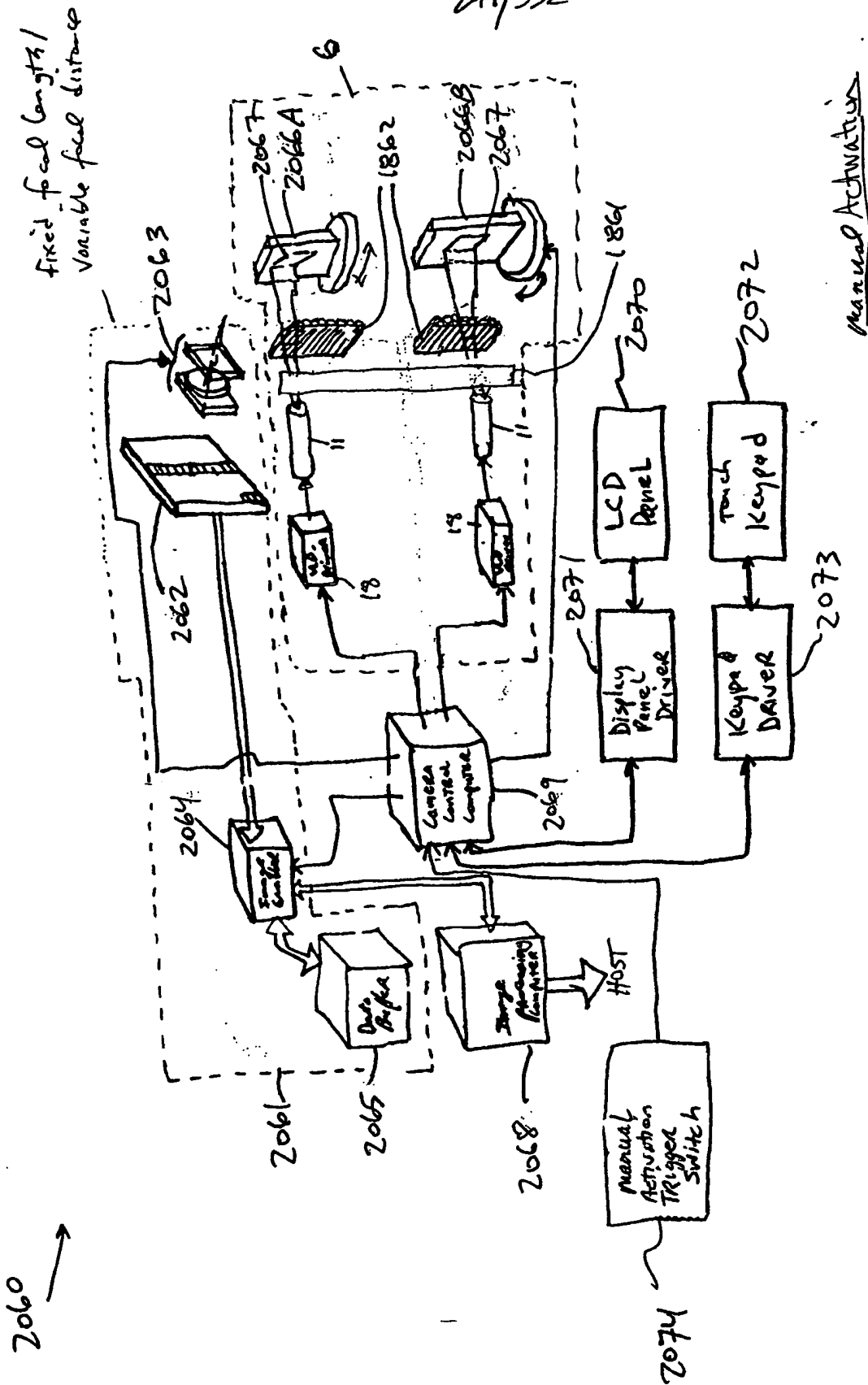
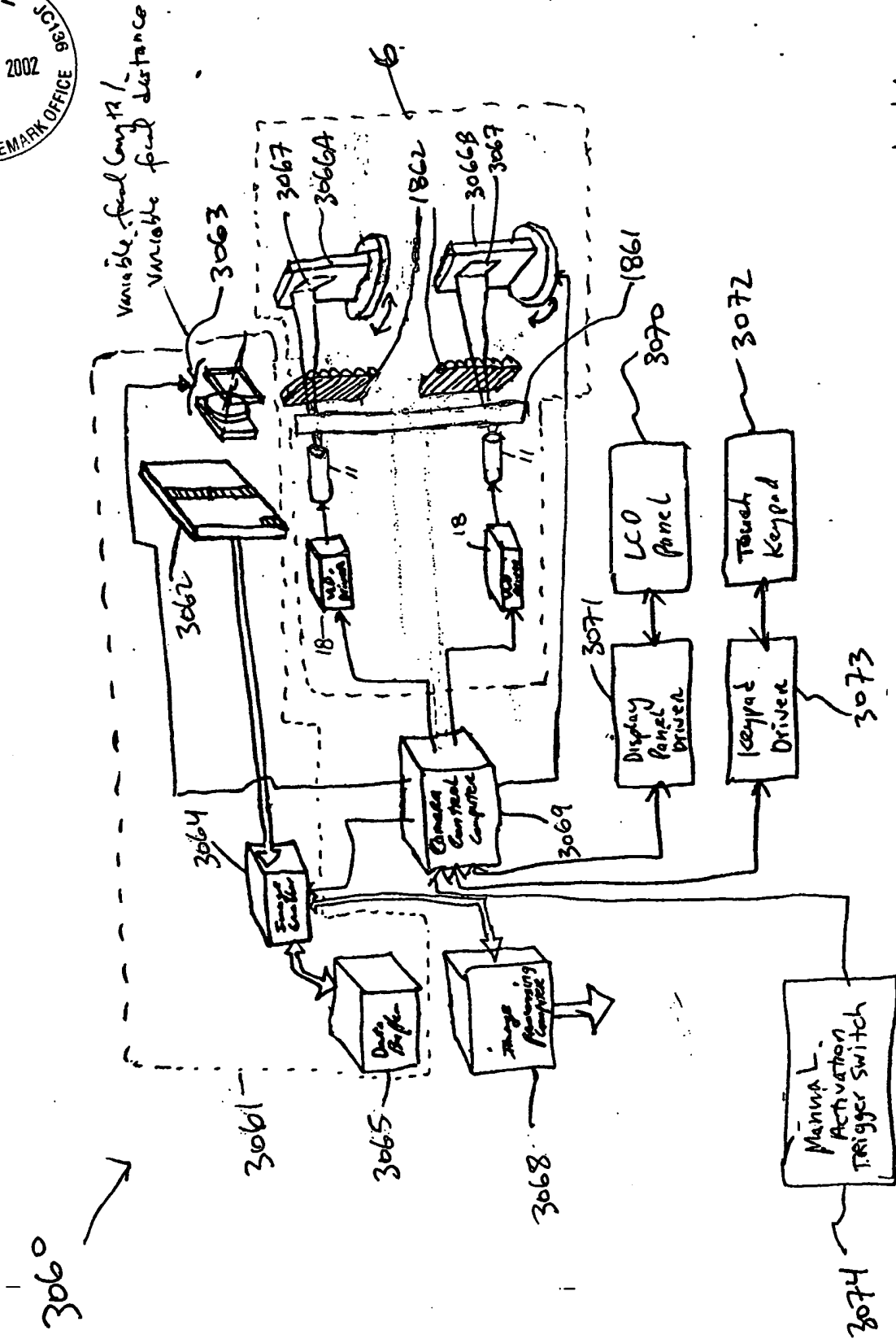


FIG. 53B1

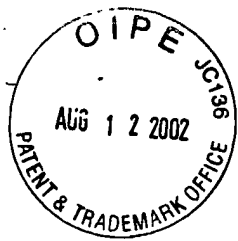
Manual Activation

FIG. 53C1

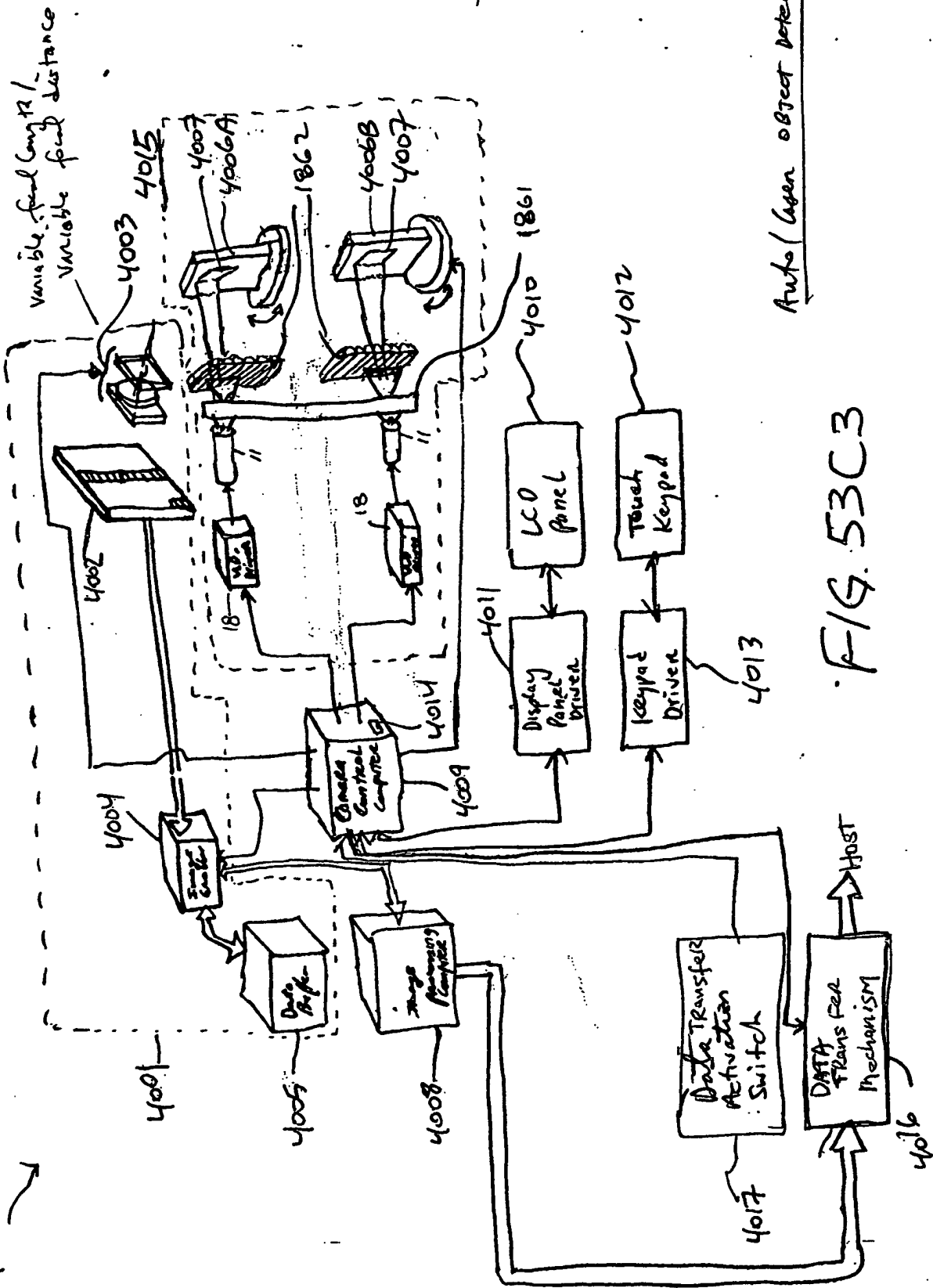


2002130-04725001

306/332



4000
4001



Auto/Cover Object Detection

FIG. 53C3



320/332

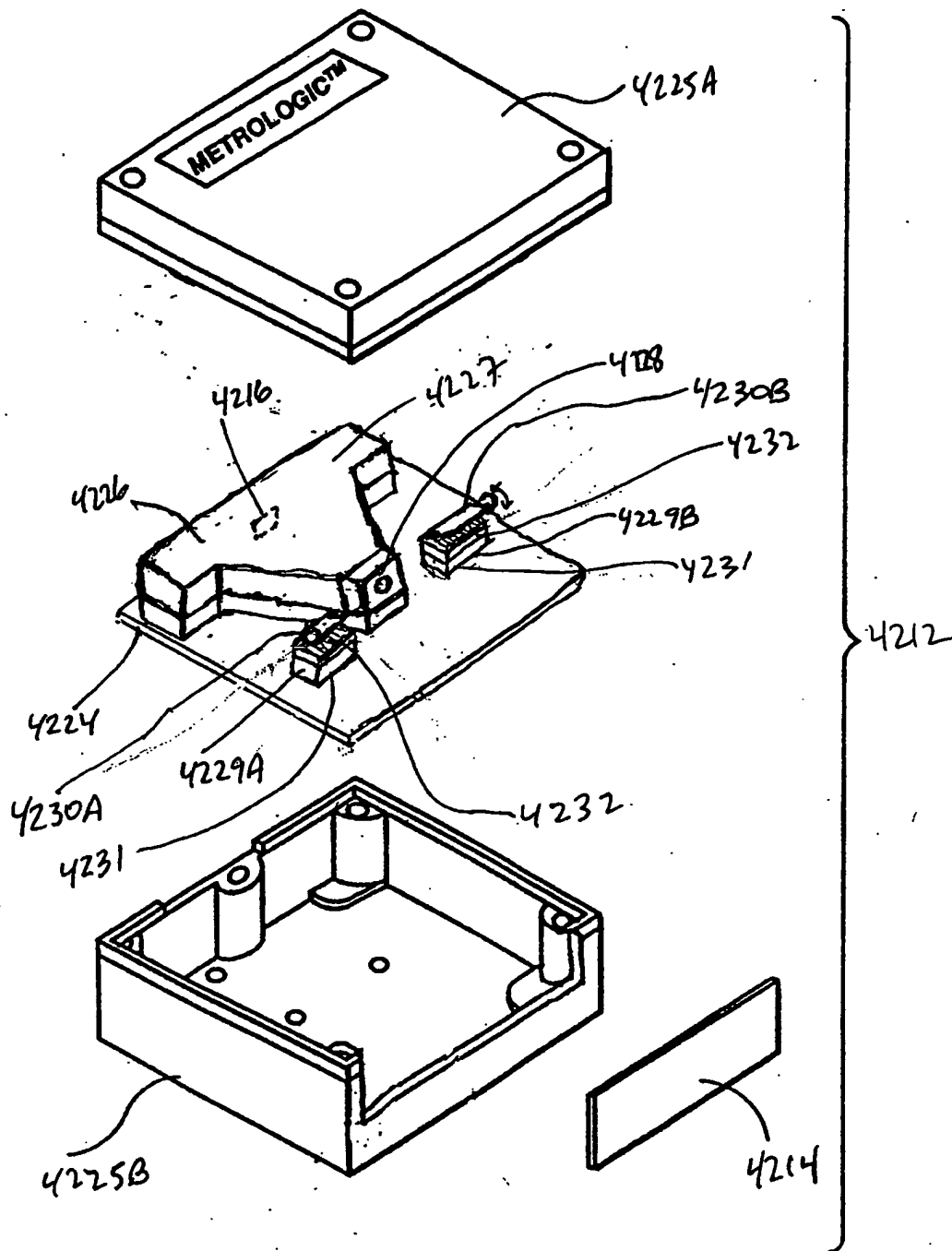


FIG. 59B

WILLP
Fig. 15A-15B

10067140-081202



322/332

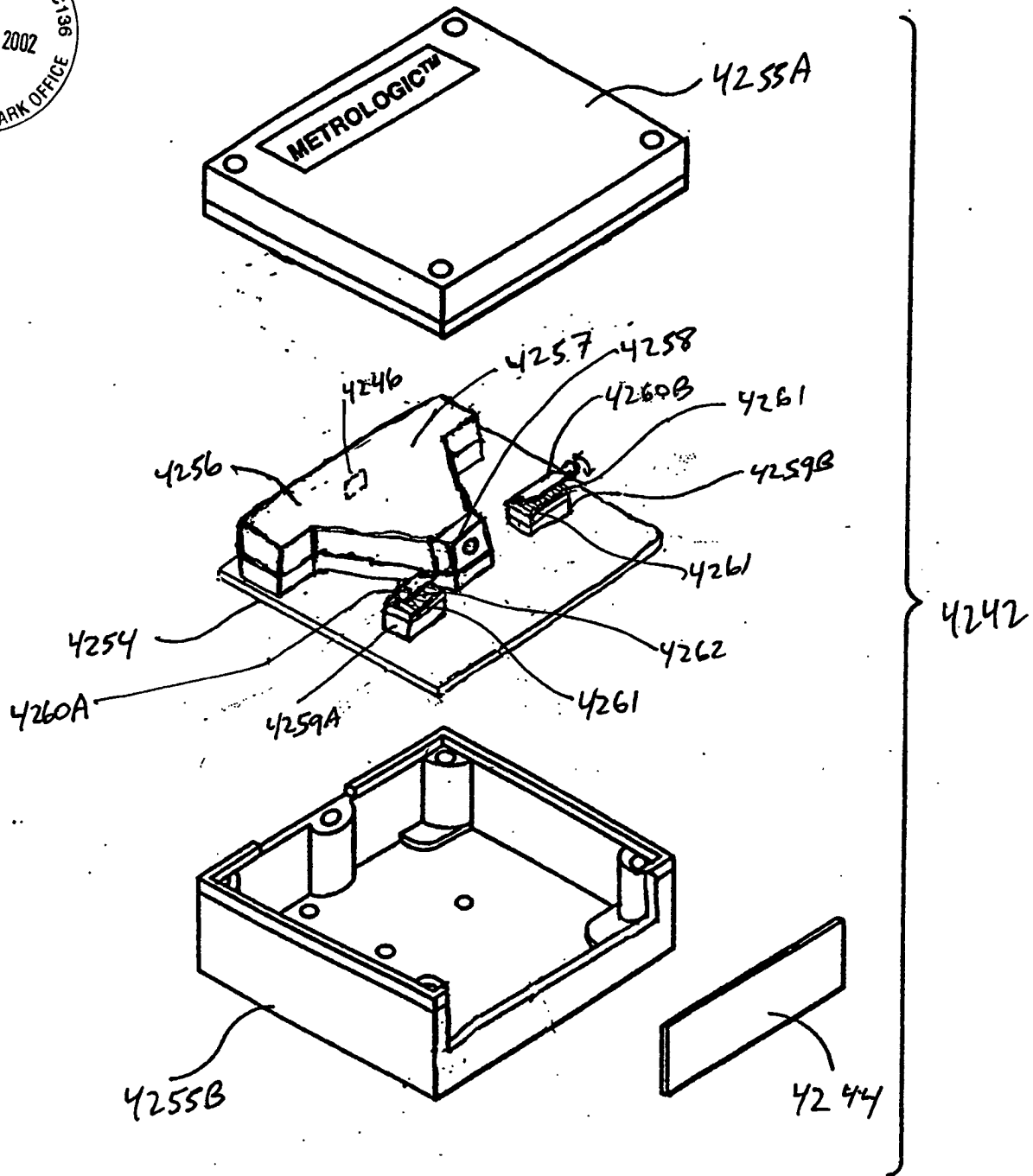


FIG. 60B

Etalon (Temp. phase
Bifurcation mod.)
Fig. 1 I 17A-17B

202180-01729001

202780-0472907

4290
4270



323/332

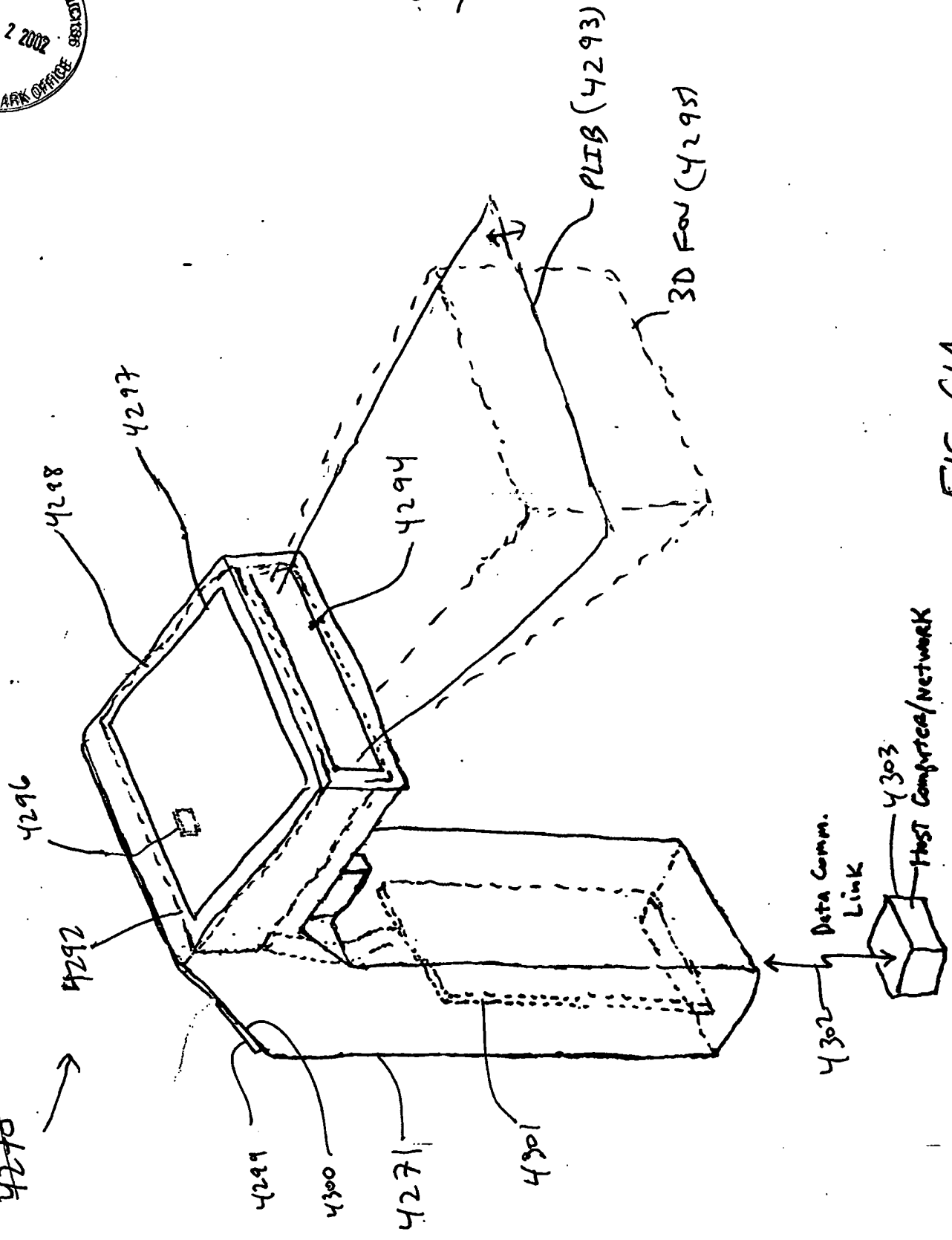


FIG. 6/A



554/332

Baggage check-in Station #1

200200-011125001

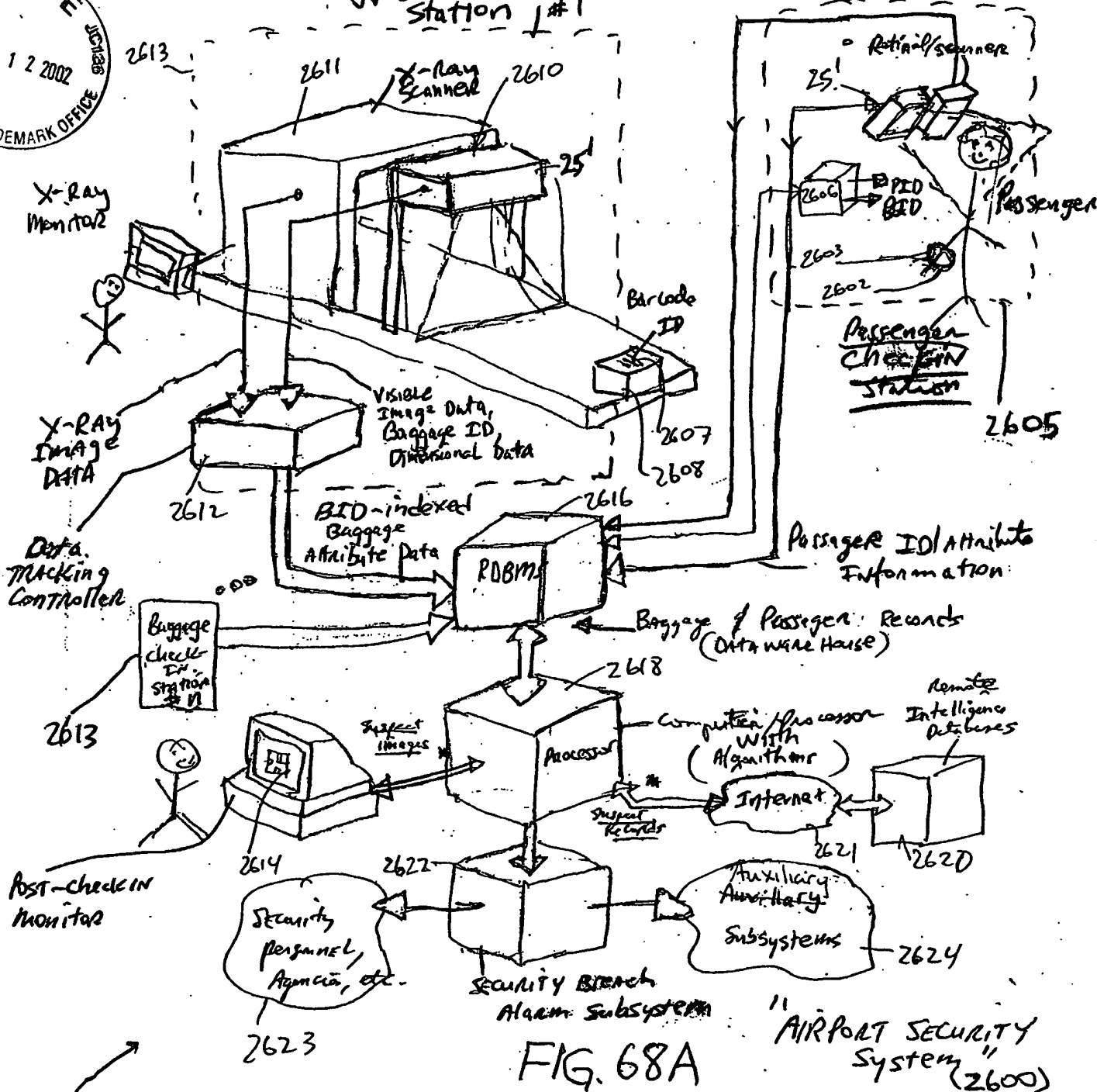


FIG. 68A

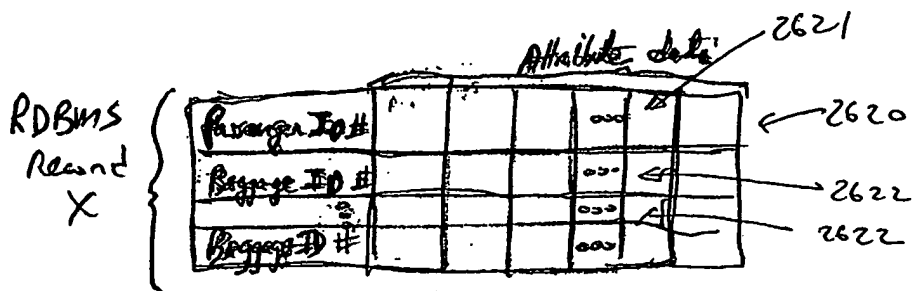


FIG. 68B